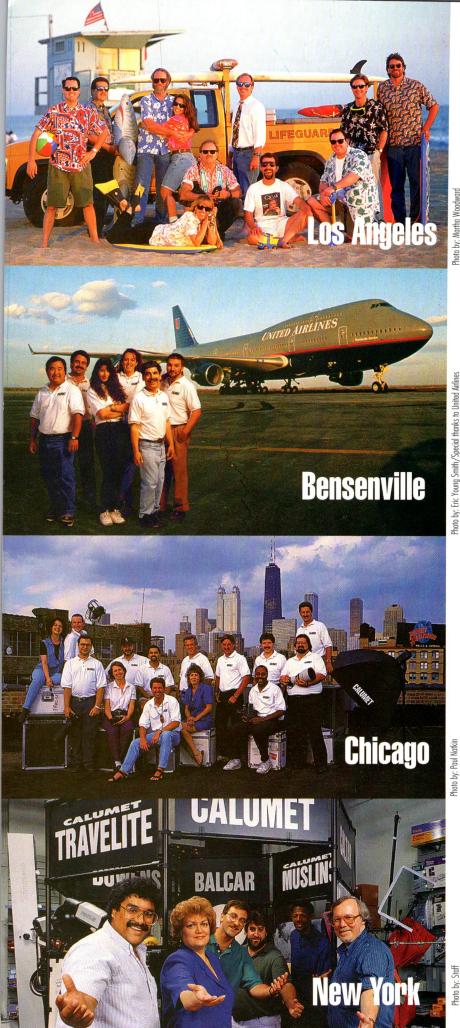
CALUMET OF RAPHIC



THE PHOTOGRAPHER'S CATALOG



We are the People



Kathy Houde

It's a point of considerable pride here. It spans from the loading dock at our Midwest warehouse to the front door of our Los Angeles retail store. You'll find it at our New York location, and in Chicago...

We are here to help you.

Los Angeles

805 N. Highland Ave. Hollywood, CA 90038 (213) 466-1238 8a.m. to 6p.m. M-F (L-R) T.J. Crume, Harold Ramos, Jerry Moody, Leila May, Suzan Skaar, Bob Harvey, Jim Ostermann, Louis Pardo, Mike Kampler, David Barnblatt, Richard Newman.

Bensenville

890 Supreme Dr. Bensenville, IL 60106 (708) 860-7458 8a.m. to 6p.m. M-F (L-R) Brian Matsumoto, Jim Nicosia, Wendy Busa, Laura Lange, Howie Silvers, Roy Flieth.

Chicago

520 W. Erie St.

Chicago, IL 60610 (312) 440-4920 8a.m. to 6p.m. M-F Front Row (L-R) Paul Jacus, Susan Lee Ryan, Roy Zimmerman, Edie Shawaluk, Carey Williams. Back Row (L-R) Pam Weitzman, Jon

Ruthkowski, Brian Cooney, Lee

Steele, Scott Bolin, Jim Judycki, Jim Gallichio, Dave Tolle, Greg Hamlin.

New York

11 W. 20th St., 4th Fl. New York, NY 10011 (212) 989-8500 8a.m. to 6p.m. M-F (L-R) Julio Figueroa, Rosalind Wallace, Howard Goldstein, Kevin Stuts, Dwayne Richburg, Kevin Nagel.

of Calumet... At Your Service!

Whether you're placing an order, or if you just have a question, you will always get a friendly voice. It may be a pleasant surprise, but our salespeople don't sell on commission. In other words, you won't have to endure any high-pressure sales tactics. That's because we want you as a customer for life, not just today.

Knowledgeable Salespeople

Over 23,000 products at their fingertips!

Virtually all our salespeople are active photographers. Since most come from the ranks of pro shooters, they have a firsthand appreciation of what photographers need, and they understand what it takes to tackle the big jobs. Just call next time you have a tricky technical question, or if you're looking for a hard-to-find accessory. With access at their terminals to over 23,000 products, our salespeople have one of the largest photographic inventories in the country right at their fingertips.

Fast Service

Upgrade your shipping to overnight for just \$10.95!

If you need your order extra-fast, in-stock items can be delivered the next day for a nominal \$10.95 upgrade charge, even up to 20 lbs! (See inside back cover for details.) So why spend your valuable time driving around for the supplies you need when you can pick up the phone and have them delivered to your home or studio the next day? Or, if you're near a retail location, and you want extra-fast counter service, just call ahead and we'll get your order going right away. We make sure that shopping at Calumet is quick and easy. There's no better way to shop.

The Best Bottom Line

We throw in the peace of mind for free!

Price. When it comes to ordering equipment or supplies, it's most people's first concern. And while you'll find Calumet's prices to be about the lowest around, that's not the only reason we're the first choice of so many photographers... We have an honest shipping and handling policy. We never compromise your work with gray market film. Product warranties are always valid U.S. warranties. We ship all in-stock catalog orders received before 4 p.m. the same day. We provide our customers with a toll-free number not just for ordering but for information, too. Here's the bottom line: We'll go that extra mile to make sure you get exactly what you need, at the best price. Next time you need photo equipment or supplies, think of the little extras you get at Calumet. And besides, the best part comes for free, it's called peace of mind!

At Calumet we don't just want you as a customer for today, we want you as a customer for life. And so every time you walk into one of our retail locations, or call our toll-free number we'll strive to make that experience better than the last. We're at your service.

If you have any comments, suggestions, or comments, please let us know! We really appreciate your input.



Jeff Dick

Sue Clemons-Tysiak

Larry Kalom



Sam Proud

Brian Panek

Gary Lovell



Steve Martin Bob Hatzel

Bob Bresson

Scott Braun



Chris Lambert

Bob Soelke

James Mielke



John Lotzgesell

Tom Woods

John Gappa





4-39 Electronic Flash

- Studio Flash Systems
- Location Flash
- Portable Flash

40-47 Light Control Accessories

- Umbrellas
- Soft Boxes
- Light Control Panels

48-53 Tungsten Lighting

- Calumet Tungsten
- Arri
- Lowel & Photogenic
- Smith–Victor

54-69 Lighting Accessories

- Replacement Flash Tubes & Bulbs
- Lighting Filters
- Special Effects
- Hosemaster
- Light Stands
- Backgrounds & Background Supports
- Exposure Meters



72-101 Large Format

- View Cameras 6x9cm through 8x10
- Field Cameras 4x5 & 8x10
- Large Format Accessories
- Large Format Lenses

102-125 35mm & Medium Format

- Hasselblad, Mamiya, Pentax & Bronica
- Fuji & Cambo Wide
- Nikon, Canon, Minolta, Leica, Tamron & Novoflex

126-127 Passport Cameras

· Cambo, Polaroid

128-155 Accessories

- Studio Stands & Tripods
- Camera Cases & Bags
- Filters & Accessories



158-191 Darkroom Equipment

- Enlargers & Accessories
- Timers & Safelights
- Easel
- Processing Equipment
- Sinks & Processors
- Archival Washers
- Film & Print Dryers



194-202 AV & Copy Equipment

- Copy Stands
- Lupes
- Viewing Tables
- Slide Projectors & Screens
- Video Processors

203-212 Presentation and Storage

- Trimmers & Mounting Equipment
- Portfolio Cases
- Slide & Negative Storage
- Slide Mounting

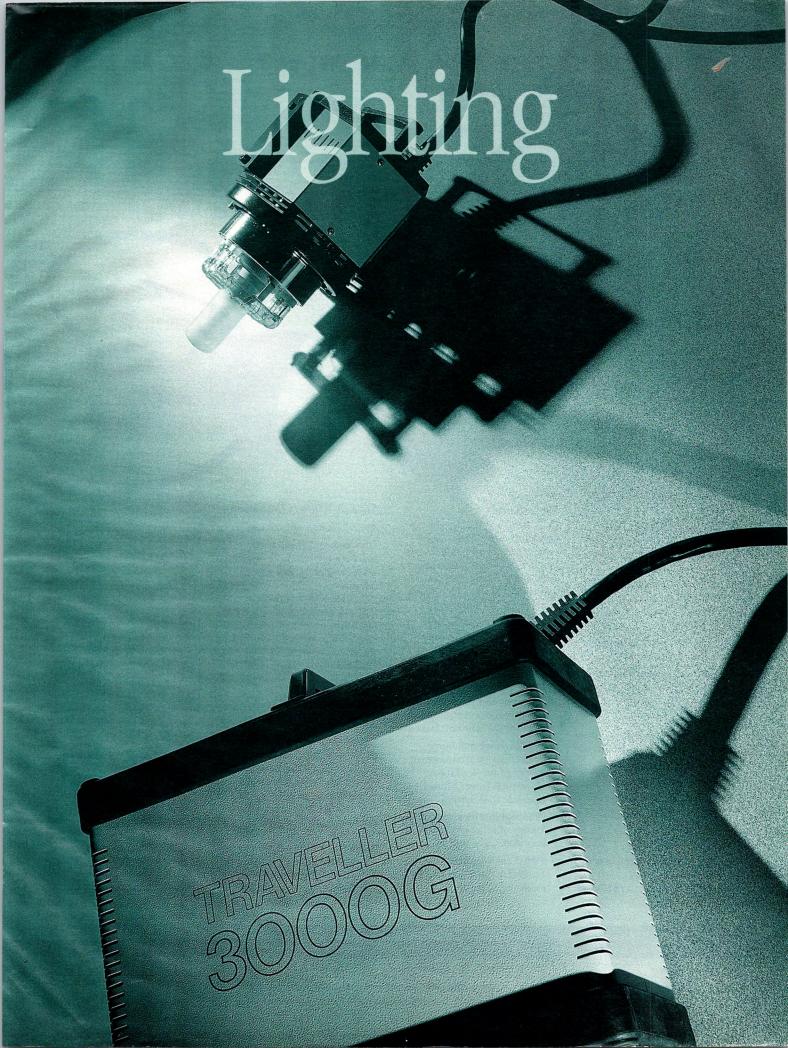
214-215 Index

216 How to Order

The Cover

As light and shadow danced and played across their soft curves and crisp angles, the subjects basked in the intoxicating ambiance of vibrant color...

The products featured on our cover, as captured by none other than Chicago photographer, Art Wise, were lit at low angles with up to five Calumet Spot Projectors and a variety of Roscolux filters









PS4N 3000w/s **Power Supply**

Powerful, Flexible and Practical!

This popular workhorse can do it all. It's got the power to do product, ratioing for portraits and four flash head outlets with variable output control for complex lighting setups of any kind. Consider these PS4N features:

- 1/400 to 1/1400 sec. flash duration range from a single head, depending upon outlet
- 1200 watts of modeling lamp potential provides bright composing and focusing
- Fast/slow recycling to accommodate low-amperage location shoots
- 100% safe non-arching head connectors
- Two sync circuits for camera and meter
- Ratioed modeling proportional to power in symmetrical mode
- Built-in switchable slave
- Built-in audio signal
- Built-in cooling fan and overheat sensing circuit with indicator
- Two-Year Warranty

The PS4N comes complete with sync and power cords.

CE12350 (A).....\$1599.00

Series-2 Flash Heads

Our "standard" flash heads offer consistent and efficient flash output, capable of producing up to one f/stop more than similarly rated heads. Their compact, lightweight design makes them practical for use anywhere.

- Choose from two models: 3000w/s "standard" Head and 6000w/s Bi-tube Head
- Fan-cooled for soft box use
- UV-coated flash tube
- 250 watt modeling lamp, with 600 watt replacement option, ideal for use with soft boxes
- Quick-release mounting bracket can be remounted to the top of the head for suspension from Calumet's Hi-Glide Rail System
- Compatible with a wide variety of reflectors, grids, barn doors, gel holders, etc.
- Two-Year Warranty Excluding flash tube and modeling lamp.

Series-2 3000w/s Flash Head

For All Practical Purposes!

Our "standard" head is designed and built to perform dependably and consistently, day-in and day-out.

Includes UV-coated flash tube, 250 watt modeling lamp, protective cover and 13' cable. Dim.: 4¾" x 10" x 6." Wt.: 7 lbs. Reflector not included. CE22353 (B).....\$379.95

Series-2 6000w/s Bi-tube Flash Head

Our Most Powerful Flash Head!

This high powered head features dual connecting cables which can be plugged into two PS4Ns for 6000w/s of power from a single source, or plugged into one pack for 50% shorter flash durations.

Includes UV-coated bi-tube. 250 watt modeling lamp and two 13' cables. Dim.: 4¾" x 10" x 6." Wt.: 9 lbs. Reflector not included. CE22390\$549.95

PS4N Studio Package

A Complete Outfit with Power to Spare!

The PS4N, our 3000w/s power supply, is a true workhorse. And when you pair it up with a package like this, you have a system that can really pull its weight.

- PS4N power supply with two standard Series-2 heads
- Two umbrella reflectors, two 45" bounce umbrellas, and two compact black light
- 36" x 48" Calumet Soft Box and mounting ring

ZX6052.....

Power Pack	Power Capacity	Flash Output*	Head Outlets	Distribution (Sym/Asym)	Variable Output (f/stop Range)	Recycle Time (Full)	Amps Drawn (Fast/Slow)	Size (W x L x H)	Weight
PS4N	3000w/s	f/22.9	4	Sym/Asym	6-stop	3.5 sec.	20/13.5	14" x 6 ½" x 13"	34 lbs.

fistop produced at 10' with standard head fitted with Chimera Silver Medium Super Pro. The ISO setting was 100.

FLASH SYSTEM

Focusing Spot-Lite

Unlimited Creative Potential!

Few flash heads offer as much power and versatility as the Calumet Spot-Lite. A perfect studio accessory light, the fan-cooled, 3000w/s Spot-Lite features an adjustable light beam for sharp or diffused illumination plus a 2-slot filter drawer for unlimited applications. Consider these possibilities:

- Ideal for product and fashion photography, portraiture and special effects applications
- Can project Rosco special effects disks, masks, grids, gobos, scenic or abstract transparencies to create unique backgrounds for portraits or products
- Can be used as a highly specular main light source, projecting a 7" diameter circle at 10'

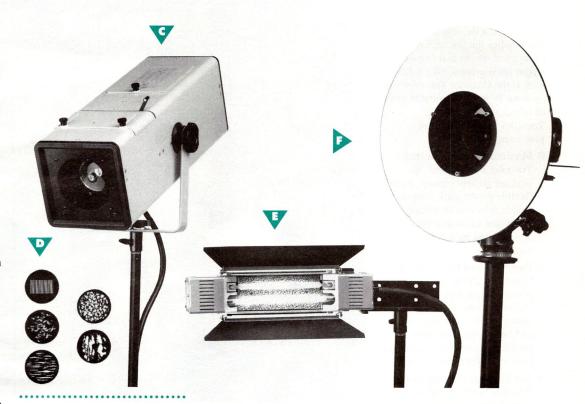
The Spot-Lite also features a 3000w/s double-spiral quartz flash tube; 100 watt modeling lamp; 18-blade adjustable iris to control beam size, condenser focusing knob to control edge sharpness, and 2-slot filter drawer with masking device. Flash duration is 1/357 sec.

CE2332 (C).....\$799.95

100 watt Spot-Lite Replacement Modeling Lamp

WIEFP.....\$19.59

Spot-Lite Gobo-Holder Set



Rosco Designer Disks

Add texture or patterns to your work by projecting through these laser-etched metal disks in your spot light.

The 3.39" diameter disks will fit Calumet's Focusing Spot-lite and Optical Spot, Bowens Monospot, Broncolor and Comet Optical Spots. Sold in 5-disk theme packs.

Assorted Pattern Pack

Leaf, cloud, venetian blind, fire/wave and square patterns. .

RC8395 (D)\$39.95

Scenic Pattern Pack

Leaf, water, skyline, fire/wave and tree patterns

RC8375.....\$39.95

Sky Pattern Pack

Lightning, cloud, linear pattern, stars and moon.

RC8380.....\$39.95

Abstract Pattern Pack

Web, squares, fireworks, round and sharp "breakup" patterns. RC8385.....\$39.95

Windows Pattern Pack

Double hung window,blinds, vert. bars, Fr. doors, rose. RC8390\$39.95

Call 1-800-CALUMET for a Rosco Designer Pattern Brochure (ZZRC003).

Linear Flash Head

This versatile broad-light strobe head features a 7½" straight-line flash tube and super-bright, 625 watt modeling lamp. The Linear Head offers a slew of application possibilities, including:

- Super directional control for architectural interiors and easy to conceal when used within the scene
- Fully illuminates background sweeps — ideal for full-length portraits, like bridal shots
- Creates dramatic highlights, on reflective objects — especially with two heads in tandum
- Long or flat subjects, and even copy work, are easy to light with this no-flare head
- Produces full, even diffused lighting with Light Control Panels
- An outlet for optional 4¾" x 4¾" cooling fan (115V) for use when enclosed in soft box
- Flash duration of 1/500 sec. at 5650°K color temperature and a "Real World" f/stop of f/22½ at 10' without reflectors

Unique, reversible 2-way barndoor/reflector kit (optional), as shown here provides directional spill control or efficient reflective punch.

CE2335 (E).....\$329.95

2-Way Barndoor Kit **CE2336\$49.99**

Circular Flash Head

This 3000w/s "ring light" produces plenty of power, yet retains all the dimensional form of the subject. It comes with a tube baffle, reflector and opal diffuser for subtle lighting effects. Universal mounting bracket accepts a wide choice of cameras and lenses. Comes with two 11' cables, UV coated tubes and flash duration of 1/833 sec. at 5500°K.

CE2308 (F)\$649.95

20 ft. Flash Head Extension Cable CE2357\$99.99

Traveller Flash System

Power Plus Portability!

If you need a flexible flash system that handles the fast action of location shoots and finesse of studio photography, take a close look at the Calumet Traveller System. With its formidable array of advanced features, the Traveller is sure to exceed your expectations.

- Maximum Light Control Traveller Flash offers the ultimate in light control, from flexible power pack controls to a wide selection of unique flash heads and an impressive lineup of dedicated light control accessories.
- Powerful and Lightweight
 Combines all the advantages of
 portable flash with high-power
 studio systems. Both Traveller
 power supplies are compact
 and lightweight, yet both
 produce impressive amounts of
 power: 1500w/s and 3000w/s!
- For Fashion Photography
 Whether you're in the studio
 or on location, in your own
 hometown, or in a foreign land,
 you won't miss a beat with the
 Traveller's split-second flash
 durations and fast recycling.
- For Portraiture

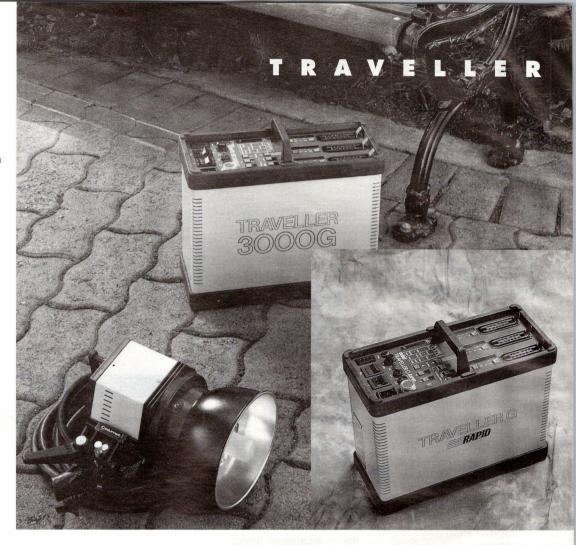
Set ratios and adjust power levels — symmetrically or asymmetrically — on the pack's computerized control panel or with the accessory Infrared Remote Control.

For World-Wide Flash Operation

Automatically adjust to any electrical current in the world, from 95V to 250V, 50/60Hz.

- For Battery Operation

 Traveller packs can be powered from a 12-volt automobile battery with the accessory Car Battery Adapter.
- 2-Year Warranty On all Traveller power packs and flash heads.



1500 Rapid and 3000G Power Supplies

These compact power supplies combine simplicity with today's sophisticated, electronic technoloy. Their easy-to use control panels provide all the conveniences one could ask for in a power pack:

- Control ratio and power levels of each outlet individually or simultaneously (even in proportional mode)
- Auto power dump, full to ¼ in 8 seconds
- Variable modeling light proportional to flash, with full-power override
- Off-during-recycle modeling or continuous-on
- Audio-ready indicator
- Fast/Slow recycle switch

NEW

1500 Rapid Power Supply

a populati kaja i .

3000G Power Supply

Twice the power (3000w/s) of the 1500G, but leaves the same footprint! Includes sync cord and power cord.

CE2901\$1699.00

Power Supply Accessories

Infrared Remote Control
Transmitter
CE2905\$199.95

Car Battery Adapter

CE2906\$599.95

Prices are subject to change.

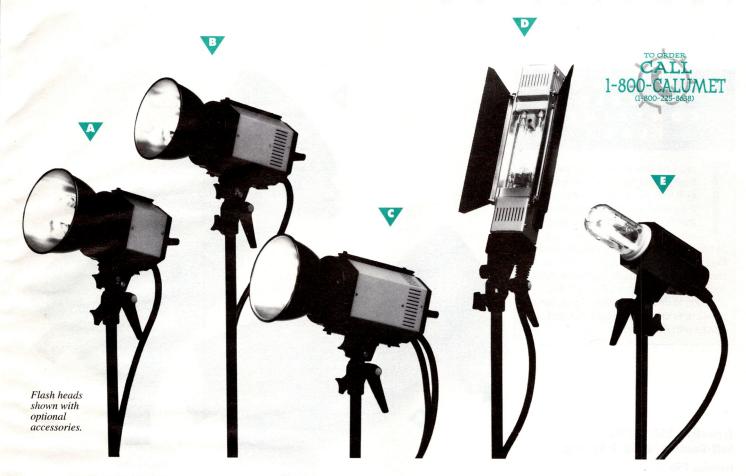


Traveller Kit Case

Power Pack	Power Capacity	Flash Output*	Head Outlets	Distribution (Sym/Asym)	Variable Output (f/stop Range)	Recycle Time (Full)	Amps Drawn (Fast/Slow)	Size (W x L x H)	Weight
1500R	1500w/s	f/16.3	3	Sym/Asm	3-stop	2.0 sec	14.5/10.5	5 %" x 12 %" x 9 ¾"	16.5 lbs.
3000G	3000w/s	f/22.2	3	Sym/Asm	3-stop	5.5 sec	15.5/11.5	5 ½" x 12 ½" x 9 ¾"	18.3 lbs.

fistop produced at 10' with standard head fitted with Chimera Silver Medium Super Pro. The ISO setting was 100.

FLASH SYSTEM



Traveller Flash Heads

Greater Selection Greater Control!

Traveller flash heads deliver all the power and versatility you need for even the most demanding assignments.

- UV coated flash tube
- Special bi-tube head design, on all Traveller flash heads provide short flash durations (see chart)
- 250w quartz modeling lamp
- "S" type bayonet reflector mount locks firmly in place
- Removable stand mount with tilt control, umbrella mount and %" socket
- Safe, non-arcing connectors
- Wide selection of light control accessories available to the Traveller Heads. Choose from a full range of Calumet Series-2 accessories, from reflectors to grids to snoots.
- 2-Year Warranty
 (Excluding flash tube and modeling lamp.)

Compact Flash Head

As its name implies, this head is small (4½" x 6") and lightweight (6 lbs.). What makes it even more portable is its ability to automatically adjust to different voltages and frequencies, from 95V to 250V, 50/60Hz., making it our World Traveller flash head. The Compact Head is convection cooled, and comes with 3000w/s flash tube, 250 watt modeling lamp (120V), protective cover, stand mount and 13' cable CE2902 (A).......\$389.95

Fan-Cooled Flash Head

A built-in 110 volt fan keeps this head cool when used for an extended period of time or when used in a soft box. Weighs 7½ lbs. Includes 3000w/s flash tube, 250 watt modeling lamp, cover, stand mount and 13' cable. For 110-volt use only.

CE29020 (B).....\$429.95

6000w/s Bi-tube Head

Linear Flash Head for Traveller Power Supply

Designed specially for the Traveller power supplies, this 3000w/s broad-light head provides exceptional directional control. For this reason, it is perfect for illuminating architectural interiors. And because of its low profile presence, it can be easily concealed on the set and used as an accent light. It's also a great background light for full length portraits or group sittings.

Additional directional control can be provided by accessory barn doors. Linear heads can also be joined together end-to-end to provide even more dramatic highlights on reflective subjects.

The Traveller Linear Head features a bi-tube design and comes with a 250 watt modeling lamp, and 13' cable.

CE2912 (D).....\$399.95

2-Way Barn Door Kit **CE2336\$49.99**

Pencil Light for Traveller Power Supply

This 3000w/s, bare-tube, light source illuminates 360°. Its distinct sharp shadows can be used to recreate a natural look of sunlight. Because of its small size, it makes a perfect accent light for interiors and can even be placed inside of a lampshade for balanced natural roomlight. For portrait work, it can be used to create lovely hairlight.

The Pencil Light features a bi-tube 3000w/s flash tube in a clear, protective Pyrex housing and a 250 watt modeling lamp. Dimensions: 10¼" x 3½" x 4." Weight: 5.2 lbs.

CE2911 (E).....\$499.95

Flash Duration Specs (in seconds)

	w/1500G	3000G
Full/1 Head	1/740	1/428
Full/3 Heads	1/1460	1/909
500w/s/1 Head	1/1540	_
1000w/s/1 Head	<u></u> /*/	1/1100

VALUE SELF-ONTAINED

ake one look at these self-contained flashes and you'll see that they're built with you in mind. We've placed the controls on the side panel so that in any set-up you can always see them, thanks to an arm that pivots with adjustable firm-gripping tension. Plus, Travelites feature unique flash inhibit circuitry which means that power is 100% charged before it can be fired. It's this attention to detail that makes Travelites a pleasure to use, giving you consistent results with every shot.

Travelite 250 & 750 Self-Contained Flash System

Travelite 750 (A)

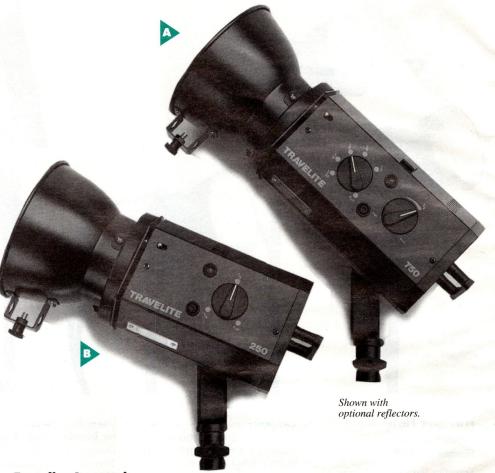
Includes 250w/s self-contained flash unit, built-in slave, 250w modeling lamp, power range of 2 stops (1/4 to full), mounting arm with adjustable firm grip tension, double mount clamp, sync cord and flash tube cover. 1-year parts and service warranty.

BW0750\$499.95 **Travelite 750 Extended Warranty** BW0900\$50.00

Travelite 250 (B)

Includes 750w/s self-contained flash unit, built-in slave, continuously variable 250w modeling lamp, power range of 5 stops (1/32 to full), mounting arm with adjustable grip tension, double mount clamp, sync cord and flash tube cover. 1-year parts and service warranty.

BW0250\$299.95 **Travelite 250 Extended Warranty** BW0925\$25.00



Travelite Accessories

Travelite Case

The Travelite Case (see photograph below) is made of durable and lightweight nylon and is amply padded with three dividers to protect up to four Travelites at once — or pack three Travelites and use the fourth section for your sync cords, reflectors, power cords, light meter and accessories. Handles are made of thick nylon and feature a leather grip that conven-iently snaps handles together. Weighs 11 lbs. 6 oz.

BW0780\$149.95 250W Modeling Lamp

OL1000\$19.95

Travelite 2-Year Extended Warranty

This no-hassles parts and service warranty extends your coverage to a full three years. In the event that your Travelite needs service it will be completed in 48 hours and on its way to you via the same shipping method that you sent it to us.

	Stored Energy	F-Stop*	Guide Number*	Flash Tube Color Temperature	Power Range	Weight	Dimensions
Travelite 750	750w/s	16.4	189	5500 K°	5 Stops (1/32 to full)	7.5 lbs.	12 1/4 x 4 3/4 x 4 3/4"
Travelite 250	250w/s	8.4	94	5500 K°	2 Stops (1/4 to full)	5.5 lbs.	10 3/4 x 4 3/4 x 4 3/4"

^{*} Flash readings were taken in a 20x20' studio with a 24' ceiling height using a Minolta Flash Meter IV positioned 10' from the center of a medium Chimera Super PRO Silver Bank. Results may vary in other studio environments using a different meter or soft box.

TRAVELITE



CALUMET



tography by Joseph Paladino

▲ Main Light

Travelite 750 at ½ power 3½ from subject with a 6" reflector and a 45" soft bounce umbrella.

Fill Light

Travelite 750 at ½ power 7' from subject with a 6" reflector and a 40" white umbrella.



Back Light

Travelite 250 at $\frac{1}{2}$ power 4' from background with a 7" reflector and a $\frac{1}{4}$ " grid.

▼ Hair Light

Travelite 250 at $\frac{1}{3}$ power $\frac{31}{2}$ from subject with a 4" snoot cone.



Travelite Packages

wo heads are better than one... and three heads are even better! Why? Because Travelites are now available in noney-saving packages... complete with andy accessories and cases. There's no better time to buy the bright output and recise light control of the Calumet Travelite 250 and 750.

Two-Head Umbrella Packages

All Travelite Umbrella Packages include the specified Travelite Flashes (see listings below) plus a Travelite case (holds up to four Travelites), two 6" umbrella reflectors, two 45" ribless soft-bounce umbrellas, two compact light stands, and a soft shell travel case for umbrellas and stands.

500w/s Package

Perfect for weddings or portraits, this kit includes all of the accessories listed above plus two Travelite 250's. Shown in photo.

BW0800K\$795.00

1000w/s Package

Includes one Travelite 750 for your main light and a Travelite 250 for your back ground light plus all of the accessories listed above.

BW0810K\$995.00

1500w/s Package

For big group shots or individual portraits, this package includes two Travelite 750's and all of the accessories listed above. BW0820K\$1095.00

Three-Head Packages

1750w/s Portrait Package

This package has virtually everything you need to shoot portraits on location or in the studio, except the subject! Package includes two Travelite 750's, one Travelite 250, a Travelite carry case, two 6" umbrella reflectors, two 45" ribless soft-bounce umbrellas, one snoot, three compact stands, and a soft shell travel case for umbrellas and stands.

BW0830K\$1495.00

1750w/s Studio Package

The same as the Portrait Package, but with soft box instead of a snoot. Includes two Travelite 750's, one Travelite 250, a Travelite case, two 6" umbrella reflectors, two 45" ribless soft-bounce umbrellas, one 24" x 32" Soft Box with ring, three compact stands, and a soft shell travel case for umbrellas and stands.

BW0840K\$1595.00

2250w/s Umbrella Package

The right package for situations that call for a lot of light. Includes three Travelite 750s, a sturdy Travelite case (holds up to four Travelites), three 6" umbrella reflectors, three 45" ribless soft-bounce umbrellas, three compact light stands, and a soft shell travel case for umbrellas and stands.

BW0825K\$1595.00





CALUMET PS1250 SYSTEM

PS1250 Power Supply

Portable AND Affordable!

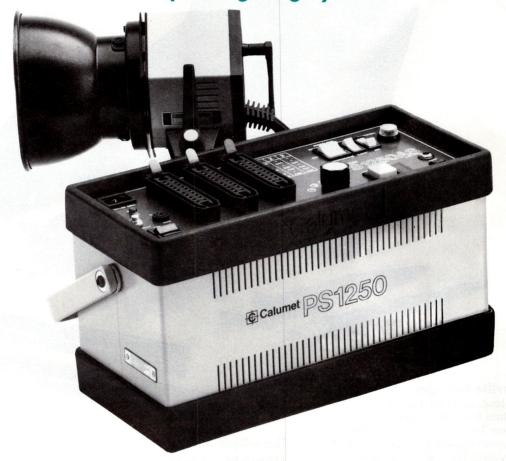
This compact 1260w/s power supply has all the right stuff for the photographer who's out and about. Whether you're on-location shooting executive portraits, in a factory shooting annual reports or at the altar shooting the bride and groom, the PS1250 provides the power and the prowess to light the way.

This neat little pack is actually a scaled-down version of Calumet's studio workhorse, the PS4N, with 40% less weight, and nearly 50% less bulk. Includes these features:

- Three flash head outlets with symmetrical/asymmetrical distribution
- Variable power control switchable over a 2-stop range
- 2:1 lighting ratios from asymmetrical head outlets
- Flash output range from 1260w/s to as low as 105w/s
- Ratioed or full modeling lamp control
- Built-in switchable photo slave for remote triggering
- Voltage stabilized power for consistent (±1%) performance
- Fast recycle times as short as 0.38 sec.
- Tremendous flash head selection, including focusing spots and linear heads
- Extensive light control options with Calumet's wide selection of reflectors, grids, snoots and soft boxes
- 2-Year Warranty

The PS1250 makes it easy to set output levels and distribution of power. A 5-step variator switch adjusts output levels in 1/2-stop increments. With one head plugged into the #1 outlet, output can be set at 1260, 840, 630, 420 or 315w/s. Put the same head in the #3 outlet, and get 420, 280, 210, 140 or 105w/s. See chart at right for configuration options (shown at full power)

Compact Lighting System



Power Output for Outlets 1-3

Out #1	Out #2	Out #3	
1260w/s	_	_	
_	840w/s	_	
_	-	420w/s	
630w/s	630w/s	-	
_	420w/s	420w/s	
840w/s		420w/s	
420w/s	420w/s	420w/s	

PS1250 Power Supply

Includes sync and power cords. CE12305\$799.95

Mini 1500 w/s Flash Head

CE22306\$279.95

Series-2 Fan-Cooled Flash Head CE22353\$379.95

P\$1250 Umbrella Package

Very Compact and Versatile!

Includes the PS1250 Power Supply with two lights and compact 8' stands, plus a full complement of umbrellas and reflectors. True portability in a package with power to spare.

- PS1250 Power Supply with two 1500w/s heads
- Two mini 45" Ribless Umbrellas and two umbrella reflectors
- Two compact stands

ZX6054.....\$139500

Power	Power	Flash	Head	Distribution	Variable Output	Recycle	Amps Drawn	Size	Weight
Pack	Capacity	Output*	Outlets	(Sym/Asym)	(f/stop Range)	Time (Full)	(Fast/Slow)	(W x L x H)	
PS1250	1260w/s	f/11.5	3	Sym/Asm	2-stop	1.7 sec	15	6 ½" x 14" x 7 %"	20 lbs.

fistop produced at 10' with standard head fitted with Chimera Silver Medium Super Pro. The ISO setting was 100.

ACCESSORIES

For all Calumet Flash Systems and Prolites by Bowens



Calumet Reflectors, Grids & Barn Doors

All reflectors feature bayonettype mounts for quick, positive mounting and removal on Calumet's Series-2 and Traveller flash heads.

9½" Reflector (50°)

Its polished chrome surface delivers most efficient light to subject.

CE1886 (A).....\$47.99

8" Reflector (60°)

Pebbled surface provides uniform light perfect for large areas from confined distances.

CE1887 (B)\$44.99

6" Umbrella Reflector (120°)

Polished chrome surface for efficient distribution of reflected umbrella light.

CE18850 (C).....\$29.99

7" Deep Reflector w/Grid Set

Efficient pebble finish. Grids allow complete control of light. Creates confined, intense light perfect for accents or hair lights. CE18650 (D)......\$119.95

Grid Set for 7" Reflector

Designed to fit Calumet 7" Reflector as well as 7" Comet, Speedotron and Balcar reflectors. Includes three grids.

CE18640 (E).....\$89.99

15" Soft-lite Reflector (79°)

Brushed metallic surface parabolic reflector with attached silver diffusing cone in the center which bounces light from source into the reflector to produce a soft, uniform light for portraits or products.

CE1899 (F)\$79.99

Front Diffuser/Grid for 15" Soft-lite

Soft-lite Diffuser and Reflector Package

Back-lite Reflector

8" by 12" elliptical shape with matte white finish produces soft, oval-shaped light with gradual fall-off.

CE2560 (H)\$79.99

4" Snoot Cone (15°)

Delivers controlled light to limited area. Perfect as a hair light or dramatic accent light.

CE1888 (I)\$49.99

4-Way Barn Door w/Gel Holder For 8" Reflector CE2363\$129.95

Gel Set for 4-Way Barn Door

Includes 12 assorted color gels CE2364\$19.99

Prices are subject to change.

3-Year Warranty with All Prolites! PROLITE 100 Prolite 82 shown with optional snoot.

THOUT PACKS

ith Prolites the power pack is self-contained, so all you need is a sync cord between you and your lights. And since they have a built-in photo slave, just patch into the nearest unit and fire them all at once. What could be simpler?

Use the "dim when fired" switch, if you want modeling lights to automatically dim until the flash has fully recycled. But you won't have to wait long, because Prolites recycle to full power in as little as 2.4 seconds (for Model 82).

Prolites are compatible with the Calumet and Traveller bayonet mount reflector system.



Bowens Prolites

More portable, and easier to set up than any studio pack, these Prolites make strobe lighting simple. They offer a modular approach that's perfect for location or studio; hassle-free synching, and unlimited ratio options thanks to continuously variable power range (on all but the Model 41).

Each light comes with sync cord and a bracket for full 360° rotation, and tilt. Mounts onto standard %" stud and fastens with lock screw. Also mounts at 90° for copy work. Modeling light included.



The portable Prolite 82 has power to spare for direct subject lighting—or enough to handle a small soft box. Flash output is continuously variable between 1/8 and full power, with proportional modeling light output. BW1020.....\$599.95

Prolite 100 shown with optional 91/2" reflector.

Prolite 100-750w/s

With a robust 750w/s of power, the versatile Prolite 100 easily holds its own among monolights, and rivals some studio packs. Output is continuously variable between 1/8 and full power, with proportional modeling light. BW1025.....\$699.95

Prolite 120-1000w/s

The most powerful of the Prolites is the perfect strobe for studio flexibility. It has plenty of power for a softbox, plus a full 4-stop continuously variable power range (full to 1/16). The fan-cooled Prolite 120 drives a 600w quartz halogen modeling lamp in proportion to flash output. BW1030.....\$949.95

Prolite 120 shown with

optional softlite reflector.

Replacement Bulbs

250w Quartz Modeling Lamp OL1000.....\$19.95

600w Quartz Modeling Lamp WIDYH\$19.95

Prolite accessories are on page 11, 14 and 15. Replacement lamps and tubes are on page 54.





Prolite 1500w/s 2-Head Pro Kit

- Two 750w/s Prolite 100's
- Two 6" (120°) Umbrella Reflectors
- Two 45" Calumet Soft Bounce Ribless Umbrellas
- Two Calumet Heavy Duty Light Stands with Caster Kits
- Flight-type carrying case, with four compartment rigid wall construction, covered with super tough cordura, thick nylon handle
- One Calumet 48" Softshell Travel Bag for light stands

Prolite 1500w/s Pro Kit **BW1055K.....\$1495.00**

Prolite 2000w/s 3-Head Super-Pro Kit

- Two 750w/s Prolite 100's One 500w/s Prolite 82
- Two 6" (120°) Umbrella Reflectors
- One 24x32" Soft Box with detachable internal diffusers and speed ring
- Two 45" Calumet Soft Bounce Ribless Umbrellas
- Two Calumet Heavy-Duty Light Stands w/Caster Kits
- One Calumet Compact Light Stand
- Flight-type carrying case, with four-compartment rigid wall construction, covered with super-tough cordura, and thick nylon handle
- One Calumet 48" Softshell Travel Bag for light stands

Prolite 2000w/s Super Pro Kit **BW1060K......\$1995.00**

Prolite accessories are on page 11, 14 and 15. Replacement lamps and tubes are on page 54.

Prolite Model	Watt Sec Range	Guide No.*	BCPS	Flash Durations	Power Range To:	Recycle Time (Full)	Modeling Light	Switchable Slave Cell	Audio Indication	Flash Tube Color Temp.	Dimensions	Weight
82	500-65 w/s	274	15,000	1/670	1/8	2.4 sec.	250w	Built-in	Yes	Approx. 5,400°K	6.4" x 14"	6.4 lbs.
100	750-95 w/s	324	21,000	1/420	1/8	2.6 sec.	250w	Built-in	Yes	Approx. 5,400°K	6.4" x 15.2"	7.2 lbs.
120	1000-65 w/s	387	30,000	1/1250	1/16	2.8 sec.	600w	Built-in	Yes	Approx. 5,400°K	6.4" x 18"	8.8 lbs.

^{*} ISO 100, 50° Keyline



Mono-Spot

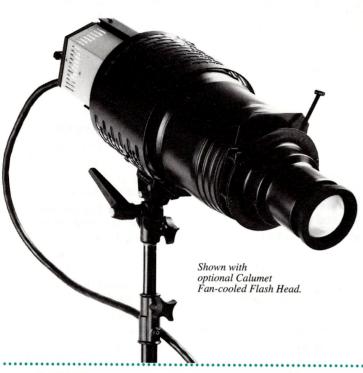
Add a dramatic touch to your studio or location lighting setups with this totally self-contained, focusing-spot flash unit. The Mono-Spot offers endless creative options, with its convenient condenser focusing, adjustable iris control and built-in, 6" filter/gobo drawer. Other features include a Guide Number of 112 at ISO 100, full/half power control, 2.5 sec. recycling at full power (1.8 sec. at half), 100w focusing

BOWENS

modeling lamp with full/half power switch and voltage stabilized circuitry. The Mono-Spot weighs 15 lbs. and measures 18½" x 6½" x 8½". Can be used independently or slaved to any other flash system with optional Bowens Omnicell.

Omnicell
CE1608 \$44.99

ACCESSORIES



Spot Projector

Whether you shoot fashion, still lifes or portraits, Calumet's new optical Spot Projector offers a host of creative lighting possibilities. This exciting flash head accessory fits onto all Calumet fan-cooled heads, and immediately transforms these "standard" heads into incredibly versatile optical spot lights with these unique capabilities:

- Project pools of light, in any shape imaginable — circles, triangles, trapezoids — with adjustable magnetic masks provided
- Project 35mm and 6x6cm mounted transparencies onto backgrounds, sets or subjects with slide holders provided
- Continously variable beam from minute to full figure with built-in adjustable iris

- Focusing, flat-field apochromatic lens provides pin-point sharpness control over projected images or shapes
- 4½" drawer accepts gels, gobos and other light control materials

Magnetic Gobo-Holder



Universal Fresnel Spot

If you're searching for a new and different lighting style, you may have just found it with this versatile Fresnel Spot. Simply mount your standard flash head inside this vented metal housing with the appropriate flash head adapter (see listings) and it projects a strong, clear beam through a 12" glass fresnel lens with angle-adjustments (from 4" to 14" at 10")! Accepts all Calumet Standard Flash Heads. as well as most other popular heads. Measures 15" x 15" x 12" and features adjustable-angle yoke with %" mount. Can also be used with Calumet Prolites. Requires flash head adapter. CE2365 (A).....\$699.95



FRESNEL 6000 FR

Compact Fresnel Spot

Designed specially for Calumet Flash Heads, the Compact Fresnel Spot projects a clean, crisp beam of light, similar to that of natural sunlight. This compact, vented housing features a 6" glass fresnel lens, adjustable beam-angle control and a tilting light stand mount. Filters can be attached to the front of the fresnel

for additional lighting effects. Flash head mounts directly to the Compact Fresnel Spot, without requiring an adapter, and is easily moved forward and back with a hand operated lever to adjust the diameter of its projected beam. Can also be used with Calumet Prolites.

CE2914 (B)\$399.95

Incredibly Compact and Portable!



Calumet Soft Boxes

Achieving and controlling the natural-look of diffused windowlighting is now an affordable option for any serious shooter. Calumet Soft Boxes are designed to deliver highly efficient, extremely even, and photogenically soft light at a most economical price. Featuring a flush front diffusion surface and a color-corrected polyurethane interior, Calumet Soft Boxes maximize lighting output while creating a smooth transition between highlight and shadow. A removable internal baffle in our Medium, Large and Extra-large models offer additional control. Other special features include:

Quick and Easy Set-up With their one-piece outer shell and flexible support rods, these soft boxes are up and



ready to mount to your flash head in just minutes.

Lightweight and Portable
Location photographers will
appreciate just how compact
these units are when folded up
and safely tucked away in a
convenient tote bag (included).

• Fits Multiple Flash Heads
All models feature oversized
cowls to accommodate several
heads for shots requiring
smaller apertures and larger
film formats.

Mounts to Most Popular Flash Heads and Monolights Choose from a wide range of speed rings dedicated to most popular studio and location flash systems..

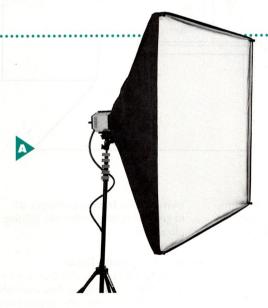
Small Calumet Soft Box	
(12 x 16")	
RM1216\$59.	99
Medium Calumet Soft Box	
(24 x 32")	
RM2432\$79.	99
Large Calumet Soft Box	
(36 x 48")	
RM3648\$119.	99
Extra-Large Calumet Soft Box	
(54 x 72")	
RM5472\$199.	99

Calumet Speed Rings

Fits all Calumet Soft Boxes as well as other brand light banks. Call for additional mounts which are available for other flash systems.

Calumet/Travelite/Prolite

RM6010	\$29.99
Balcar/Ultra RM6000	\$29.99
Speedotron RM6020	\$29.99
Norman RM6030	\$34.99

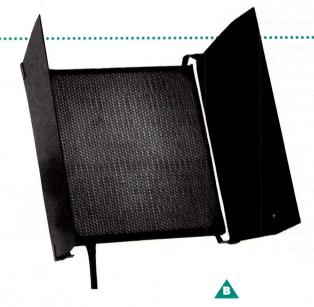


40" Square Soft Box

Simply attach this lightweight soft box to any Series-2 Flash Head and you'll be ready to shoot anywhere. Made for quick set-up and set-striking, it's perfect for location work. Features bright silver interior for maximum light output and a removable interior

baffle and produces a color temperature of 5200° K. Plus, ¼-20 screw sockets located in all four corners make using other diffusion materials convenient and easy. Can also be used with Calumet Prolites.

CE18360 (A).....\$149.95



20" Square-Lite

This portable soft box features a black exterior, with reflective silver interior and a removable front diffusing screen. Additional screens, barn doors and grids may be mounted using the thumbscrew in each of the front corners. Mounts directly to all Calumet Series 2 Flash Heads.

20" Square-Lite/Grid Package

CALUMET HI-GLIDE

Calumet Hi-Glide System

If you find yourself frustrated with your current studio lighting support system, don't hang your head in despair. Hang your heads — your flash heads — from Calumet's exclusive Hi-Glide System and enjoy the fluid movement, unlimited lighting placement and overall time-saving operation offered by this ceiling-mounted system.

Whether you are shooting products or portraits, your studio needs lighting flexibility in order to operate at maximum production and creativity levels. Repositioning your lights must be quick and easy, with plenty of placement options and directional control.

All things considered, nothing outmaneuvers or out-performs the Calumet Hi-Glide System.

Consider These *Real* Rail Advantages:

■ More Floor Work Space

Removes the need for stand, "trip" cords and cables that clutter your studio floor. This assures improved maneuverability and reduces the risk of disrupting setups.

Versatile Lighting Placement

Light even the widest sweeps with ease! Simply "glide" your lights into position and lock them in place.

Rapid Height Adjustment and Effortless Directional Control

Whether you're setting up a new shot or making minor lighting adjustments, the Hi-Glide System is guaranteed to save you time and trouble.

■ Convenient Set Maintenance

Change backdrops between shots without moving lights. Improved access to set makes even minor adjustments easier.

Universal Flash Adaptability

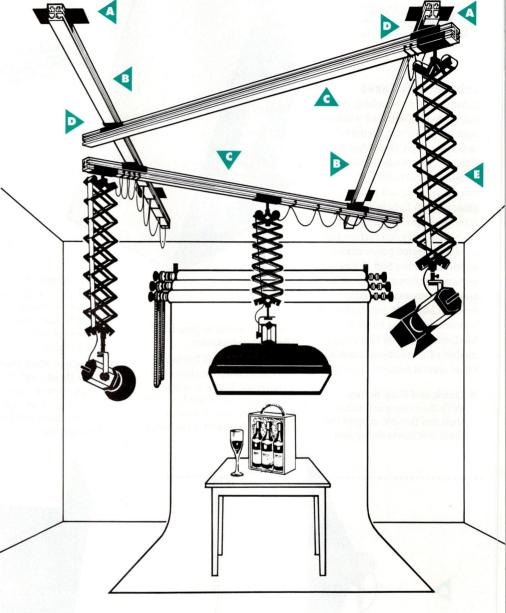
This versatile light support system can be used with any %"-mount flash heads, monolights or tungsten units with or without soft boxes, umbrellas or reflectors. Suspend Calumet power packs for extra control convenience.

Modular Design For Custom Setup

The Calumet Hi-Glide can be adapted for use in virtually any studio. Mounts to most ceilings, including those with wooden and metal beams, or through drop-ceilings.

Economical Beyond Compare

Contrary to popular belief, a rail system *is not* a cost-prohibitive pipe-dream. When you consider the tremendous time-saving advantages, as well as superior flexibility over traditional light stands, it is worth every penny. Call for a price on a customized system to meet your needs, and we're sure you'll be pleasantly surprised.



Easy as 1, 2, 3!

In the past, rail systems have been cloaked in a veil of mystery. Calumet's Hi-Glide, on the other hand, is very easy to understand and install.

#1. Start With The Ceiling . . .

The most common means of mounting a rail to a ceiling is with a *Short Fixing Kit (A)* which can be clamped to a wooden ceiling beam, bolted, or even welded to a steel ceiling support. *Fixed Rails (B)* are then mounted to the ceiling to form the base for the balance of the system.

#2. Add Lots of Movement . . .

The *Floating Rails* (*C*), as their name implies, "float" along the length of the Fixed Rails, move from side to side and

swivel on the *Double Carriages* (*D*), to give the system its flexible lighting placement.

#3. Then Bring on the Lights!

With the rails in place, all that is left to do is to hang your lights. Our convenient *Lite-lift Kits (E)* not only support your lights, but offer height adjustment between 13" to 72" from the Floating Rails. Fixed-height support and lateral movement is also available for light units *and* power packs.

It's as simple as that! There's no mystery to it, and there's no reason that every studio photographer should have to go another day without a Hi-Glide system!

SYSTEM COMPONENTS



Rail Mounting Hardware

These clamps are used to mount the rails directly to structural ceiling members such as ceiling joists or steel I-beams. One clamp is needed for every 3 feet of rail to be mounted to the ceiling.

Adjustable Girder Clamp

Clamps directly to the underside of an I-beam. Adjusts to fit beams that are from 2½" to 8" wide and from ½" to ½" thick. When clamp is installed, the rails will run at a 90° angle to the supporting I-beam. If the rails are intented to run parallel to the supporting I-beam, a Back-to-Back Rail Clamp (CE2632) will have to be added to each girder clamp.

CE2650	\$42.99

Back-to-Back Rail Clamp	
CE2632	.\$22.99

Short Fixing Kit

Consists of a flat plate and two clamping pieces. By using wood-screws or bolts, this unit may be attached directly to the underside of a wood or steel structural beam. This piece could also be permanently welded into place on a steel beam.

CE2629	\$13.99
--------	---------

Universal Fixing Bracket

The Universal fixing bracket contains a Short Fixing Kit and several "L" shaped pieces. this assortment provides you with the option of mounting the clamp to the side or bottom of various structural beams.

CE2605	\$27.99

Drop Ceiling Support Flange Set

Designed to allow you to mount a rail system in situations where a false ceiling exists. By adding 12", 24" or 36" drop ceiling tubes (see below), the rail system can be securely mounted below the false ceiling.

CE2636 (one	pair)	\$50.99
--------------------	-------	---------

Drop Ceiling Tubes

12" Tube	CE2637\$20.99	,
24" Tube	CE2638\$25.99)
36" Tube	CE2639\$30.99)

Adjustable Drop Ceiling Support Flange Set

This set allows you to adjust the height of the rails to maintain a level system when the overlying supports are uneven.

CE2657 (one pair).....\$61.99

Note: Flange sets consist of one each upper and lower flange. This upper flange is to be secured to a structural member, the lower flange has clamps to hold rails.

Carriages

Carriages are used to connect the floating rails to the fixed rails and to connect light supports to the rails. Double braked carriages are used on the outside position of a floating rail to stabilize and provide a pivot point for the floating rail.

Double Carriages

For jointing the Floating rails to the	•
Fixed rails.	
CE2603	\$31.99
Double Carriage w/Brake	
CE2620	\$46.99

Single Carriages

For mounting lights to floating rails. CE2604.....\$21.99

Heavy-duty 6-Wheel Carriage For mounting power packs.

CE2648	\$39.99
Heavy-duty 6-Wheel Carriag	e w/brake
CE2628	\$28.99

Add-a-Lite Carriage

Designed for temporary mounting of a light. (Doesn't have wheels.)

CE2660.....\$33.99

Ceiling and Support Rails

The same rails are used for both the Fixed ceiling rails and the Floating Light support rails. Fixed rails can be joined by using the Rail Joining Plates to make up a rail of any length. Fixed rails require one Rail End Stop Kit for every pair of rails and floating rails require one kit per rail.

10' Rails

CE2600 (one pair) (\$179.95
15' Rails	
CE2601 (one pair) (\$259.95

Rail Joining Plates

(Requires drilling of rails to install.)
CE2633.....\$23.99

Rail End Stops

CE2606 (two pairs).....\$12.99

Light and Power Pack Mounting Hardware

Lite-lift Kit

Power Pack Support Brackets

Designed to mount Calumet power packs to the rail system. Brackets require a Heavyduty carriage and either Extension tubes or the Mechanical Power Lift.

Support Bracket for PS-Series power	er nacks
CE2623	\$149 95
	WIT -7.70

Add-on Bracket f	or PS-Series	power	packs
CE2624		• • • • • • • • • • • • • • • • • • • •	\$0Z.Y

Support Bracket for Traveller 1500G pack CE2679.....\$44.99 Support Bracket for Traveller 3000G pack

CE2680		
	CT-64-	4

12"	Extension Tube	CE2615	\$25.99
		~~~~	+

### 

### Glide Rail Accessories

### **Center of Gravity Bar**

This device allows you to change the center of gravity on a light head when a soft box or other heavy accessory is added to a head.

CE2622.....\$44.99

### **Cable Transfer Runners**

Allow you to suspend your power cables safely from the rail system. (package of 5)

CE2607.....\$16.99

%" to 1\%" Spigot Converter

CE2652.....\$44.99



 Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck, Freight Collect.

### **Custom Rail System Design Service**

If you are considering a Calumet Hi-Glide System for your studio, we invite you to send in a diagram of your existing studio layout, with dimensions, structural specification and lighting requirements. Calumet will design a rail system package personalized to meet your specific needs. **OR...Start with one of these two "basic kits" and build your own system:** 

### Calumet Hi-Glide Kit

- 4-10' Rails
- 4 Double Carriages
- 2 Single Carriages
- 2 Lite-lift Kits
- 3 Sets of End Stops (4 ea.)
- 6 Short Fixing Kits
- 2 Safety Cables

Shipping Weight: 80 lbs.

CE0010 1 .....\$1195.00

### Calumet Deluxe Hi-Glide Kit

- 2 10' Rails
- 2 15' Rails
- 4 Double Carriages
- 3 Single Carriages
- 3 Lite-lift Kits
- 3 Sets of End Stops (4 ea.)
- 10 Short Fixing Kits
- 3 Safety Cables

Shipping Weight: 110 lbs.

CE0011 10 ......\$1395.00

# Industrial Strength Lighting on Household Current!

The incredible new Balcar P4 System combines the portability and economic advantages of a monolight system with the power and centralized control of a power supply system.

The Concept P4 system puts the power in the light heads and the output controls in a "control pack," providing utmost flexibility and efficiency. Power is added to the system by adding light heads: 1,600w/s from each head, up to four heads (6,400w/s) per control pack – without adding an ounce to the weight of the pack, and minimizing the weight of the system (approximately 6 lbs. per light head). For location photographers, this means you only take the power that you need to the job, with no excess baggage. And, because the power is in the heads, there is no loss of power when the job requires long extension cables.

### **Concept P4 Control Pack**

With its digital microprocessor design, power levels can be adjusted precisely and repeatably in one tenth of an f-stop increments over a five-stop range. Levels can be adjusted at the control pack to each head individually or combined while maintaining lighting ratios. And you never have to rearrange power plugs. New "Auto Max" mode sets the modeling lamp level of the head with the highest setting at 10 (maximum) and ratios the other lamps accordingly. Other Concept P4 features include:

- Four light head outlets for PS-Z4 heads
- New control pad design offers precision clickstop controls with affirming LED display
- Multi-mode modeling controls: proportional, full and "Auto Max"
- Auto-voltage selection from 90 to 260V (50/60 Hz) for use anywhere in the world
- Constant amperage draw (no peak) during recycle
- Store your electronic settings on 'low-voltage standby' if you need to step away
- When you shoot with fractional power, the P4 randomly selects capacitors to charge. This spreads out the work, and assures a faster flash duration than conventional packs that partially charge all their capacitors for fractional power.

The Concept P4 control pack weighs only 11.8 lbs., measures 6½x12x7", and includes power, sync cords. **BF10451**......\$1895.00



# BALCAR

### **PS-Z 4 Light Head**

These 1600w/s powered lightheads have a zoom feature that adjusts angle of light coverage from 50 to 120° (with optional FX60 facetted reflector) without light loss or hot-spots. New cross-tube design allows user to install a second flash tube for shortened flash duration without loss of power. It also improves light distribution and tube life. Full,  2 /3 and  1 /3 power switch provides shortened flash duration without loss of Kelvin temperature. Weighs only 6.8 lbs. and measures  $4\frac{1}{2}$ x5x11½". Must be used with Balcar P4 or Concept P4 control pack. Reflector purchased separately.

BF10411.....\$1099.00

### S U P E R L O W C U R R E N T

onventional strobe
systems are infamous
for drawing loads and
loads of power—and for
blowing fuses like
champagne corks. But
thanks to a new innovation
known as "high frequency"
charging, Balcar's powerful
Concept P4 system draws just
6 amps for full 6400w/s recycle!

Compare that with bulky packs half as powerful, that gulp twenty amps or more! The Concept P4 system gives you up to 6400w/s of power and it's so portable you can take it anywhere!

Now that's one great Concept.



### Super A1200 & A2400

Balcar's studio flash system is especially designed to withstand the rigors of a busy studio schedule. The Super A packs provide a consistent power source for any Balcar U, Z, Bi-tube or Pencil Lighthead. Both Super A packs (1200w/s and 2400w/s) provide the same practical considerations:

- Fan-cooled for heavy use
- Fast/slow recycle prevents tripped circuits on location
- Bi-voltage for world travel (100-120 or 200-260 V)
- Proportional modeling
- 3-way ratioing switch
- Built-in photocell.

Super A1200 Power Pack BF10222 (A).....\$2095.00

Super A2400 Power Pack BF10224 (B) ......\$2795.00

### Ministar

An economical entry into Balcar lighting, this location pack gives 800w/s of precise, dependable output—perfect for portrait or small product applications.

- 1:1 and 2:1 ratios (2 heads) 1:1:1 and 4:1:1 ratios (3 heads)
- Switchable photocell and audible 100%-charge beep
- Fan cooled for fast recycling. BF10213 (C)......\$995.00

### Starflash 1 & Starflash 2

You don't need fancy, frilly flash to shoot fashion photography. Both the 1600w/s Starflash 1 and the 3200w/s Starflash 2 start with plenty of the essential raw power, then divvy it up in some rather fashionably-correct ways:

- Variable recycling rate
- Proportional modeling
- Fan-cooled for intensive use
- Switchable photocell and 100%-charge audible beep.

Starflash 1 Power Pack BF10211 (D) ......\$1899.00

Starflash 2 Power Pack BF10210 (E) ......\$2899.00

### Starflash 3

In a class by itself, this pack generates an incredible 6400w/s of light—ideal for big sets and equal to the most demanding large format assignments. Output can be split into two independent channels or discharged into a single Bi-tube head. Features include:

- On/off head outlet switches
- Continuous charge rate variator
- Full recycle in 4 to 5 seconds
- Proportional model lamp
- Dual fan-cooled
- Switchable photocell and audible 100%-charge beep.

BF10212 (F) .....\$3995.00













Power Pack	Power Capacity	Flash Output*	Head Outlets	Distribution (Sym/Asym)	Variable Output (f/stop range)	Recycle Time (full)	Amps Drawn (Fast/Slow)	Dimensions (W x L x H)	Weight
Super A 1200	1200w/s	f/32.0	3	Sym/Asym	2-Stop Range	1.5	16/12	7" x 10" x 10"	19 lbs.
Super A 2400	2400w/s	f/45.0	3	Sym/Asym	2-Stop Range	3.2	16/12	7" x 10" x 13"	24 lbs.
Ministar	800w/s	f/22.5	3	Sym/Asym	3-Stop Range	1.0	16	6" x 8.5" x 8.25"	8 lbs.
Starflash I	1600w/s	f/32.5	2	Sym	4-Stop Range	1.1	25/16	7" x 10" x 10"	11.5 lbs.
Starflash II	3200w/s	f/45.5	2	Sym	4-Stop Range	1.5	25/16	7" x 10" x 13"	17.8 lbs.
Starflash III	6400w/s	f/64.3	4	Sym	4-Stop Range	4.5	25/16	7" x 10" x 14.5"	27.7 lbs.

### **U** and **Z** Lightheads

These fan-cooled heads are capable of extremely short flash durations by virtue of their Ushaped flash tubes with polarized electrodes and large contacts. This design also increases the tube's life span and places the optical center of the model lamp as close as possible to the flash tube's optical center for optimum alignment of the two.

Interchangeable Pyrex shells provide protection for the tube and lamp, and are available in different degrees of color correction (UV absorption). Both lightheads are compatible with any Balcar power pack, old or new, except the P4 System.

### Z Head

This popular "zoom" Lighthead provides smooth light angle control from under 50° to over 120° (accessory reflectors can take the range from 20° to 180°), and convenient f/stop control. Its unique light assembly movement provides full use of reflector and extremely even light distribution in each position.

It also allows for convenient reflector rotation (ideal for use with a soft box) and locks into any desired position. The Z Head is equipped with a long flash tube and a 250 watt model lamp.

A second flash tube (not included) can be fitted to the head perpendicular to the first tube,



discharging the power from one common cable, significantly reducing flash duration and extending the life span of each tube. This configuration is available on all Balcar Heads including Monobloc and PS-U 4.

Z Head includes built-in sockets for two Mini Twist accessory holders, a removable pan/tilt mount and a 7" FX60 facetted reflector.

BF10551LS (A) .....\$699.95

Prices are subject to change.



**U** Head

With its built-in 3.5" parabolic inner reflector and removable 7" FX60 facetted reflector, this compact "universal head" offers extremely efficient and even light output up to 3200w/s with the standard long flash tube.

A 250w model lamp is standard but a 500w lamp is an option. A removable pan/tilt mount holds head steady and yet allows for quick, smooth repositioning up or down and right or left.

BF10501LS (B) .....\$549.95



This high-powered, selfcontained flash unit combines all of the essential ingredients a fashion photographer could hope for: short flash duration, fast recycle times, portability and lots of light

Monobloc 3

control options. The Monobloc 3 delivers up to 1600w/s with over 6 f/stops (1:64) variation and recycles fast enough - 15 to 20 flashesper second – for stroboscopic effects at low power. A slow recycling switch provides comfort when shooting on location. The Monobloc 3 is designed to accept an external head for ratios up to 3:1, and Balcar lighthead reflectors, grids and accessories.

BF10304 ......\$1880.00



### Mini-Z1 Monobloc

Designed to bring power and flexibility to location lighting the Mini Z1 is a compact selfcontained flash unit with an internal focusing system (like the Z Lighthead) with a focusing range from 45° to 120°. This provides convenient angle control and contrast control when used in a soft box. Other practical considerations include fan-cooled design, continuous power variator (3 f/stops), proportional modeling



lamp (150 W), 1.2 sec. recycling (to full), 1/800 sec. flash duration, built-in photocell and switchable 100% charge indicator.

BF10305 (C) .....\$699.95

### Mini-Z2 Monobloc

Offers the same features as the Z1, but double the power and with bi-voltage selection (110/200 V).

BF10306 (D) .....\$849.95

Power Pack	Power Capacity	Flash Output*	Head Outlets	Disribution (Sym/Asym)	Variable Output (f/stop range)	Recycle Time (full)	Amps Drawn (Fast/Slow)	Dimensions (W x L x H)	Weight
Concept P4 with PS-Z4	— 1600w/s	 f/32	4	Asym Asym	4-Stop Range 1.5-Stop Range	— 1.8	6	6.5" x 12" x 7" 4.5" x 5" x 11.75"	11.8 lbs. 6.8 lbs.
Monobloc 3	1600w/s	f/32	1	Sym/Asym	4-Stop Range		20/15	9" x 8" x 6.3"	8.1 lbs.
Mini-Z1	300w/s	f/16	_		3-Stop Range	1.2	6.3	8" x 5" x 5"	4.5 lbs.
Mini-Z2	660w/s	f/22	-		3-Stop Range	2.0	6.3	4.7" x 5" x 9.4"	5.3 lbs.

^{*} Using standard reflector from 10 feet at ISO 100...

# SSO



### **Umbrella System**

Three different types in three different sizes. All offer efficient and consistent light of uniform color temperature and evenness. Larger models increase coverage.

### White Umbrellas

Produce an even, soft, low contrast light over a large area. 32" Portable White Umbrella BF20208.....\$69.99

42" Standard White Umbrella BF20201.....\$74.99 61" Jumbo White Umbrella

BF20205.....\$139.95

### Zebra Umbrellas

Half white, half metalized covering produces 1/2-stop more light over a narrower angle than white umbrellas.

32" Portable Zebra Umbrella BF20209.....\$69.99 42" Standard Zebra Umbrella BF20202.....\$89.99 61" Jumbo Zebra Umbrella BF20206.....\$139.95

Metallized Umbrellas High contrast, ½-stop more light than Zebras, narrower coverage. 32" Portable Metallized Umbrella BF20210.....\$69.99 42" Std. Metallized Umbrella BF20203.....\$99.99 61" Jumbo Metallized Umbrella BF20207.....\$139.95

Lighthead Extensio	ns
13' (U, Z heads, Pencil, 1	Bi-Tube)
BF30502	\$99.99
25' (U, Z heads, Pencil, 1	Bi-Tube)
BF30504	\$129.95
17' (PS-U heads)	
BF10406	\$112.95

### **Twist Mounts**

Flexible, self-locking arms mount Lighthead or Monobloc to stand. Perfect mini boom-arm for Opalites and Prisma lightboxes.

Twist 27 Shorter model, more flexibility. BF30680.....\$47.09

Flexible reflector or filter holder. Mounts directly to head.

For U, PS-U and Mono 3 Heads BF30610.....\$44.99 For Z Heads and Mini-Z BF30611.....\$47.99

Pan/tilt Handle Mount

Standard on Balcar lightheads, with easy one-hand controls. BF30601.....\$39.99

### **Barndoors**

Four reversible black/metallized flaps. Accepts filters and gridspots. Mounts to reflector.

Standard Barndoor Fits all 7" (18cm) reflectors. BF20345.....\$124.95

**Super Barndoor** Fits LFX 12" (30cm) reflectors. BF20335.....\$249.95

### **Filters**

Available in colors (red, blue, green, magenta, cyan, yellow, orange), UV, N.D., warming, cooling and FLD.

Round 7" Filter (7" reflector) Specify Type.....\$22.99 Square 7" Filter (Std. Barndoor) Specify Type.....\$29.99 Square 12" Filter (12" reflector) Specify Type.....\$44.99 **Universal Clamp Set (2)** 

> Call 1-800-CALUMET for details on Filter Kits.

Fit LFX, Opalite, Diamond Box)

BF20377.....\$64.99

### **Facetted Reflectors**

Unique facetted design produces efficient, extremely even light without hot-spots. 7" models fit older Balcar heads.

FX 60 7" Reflector Z range - 50-120°, U range - 60°. BF20621.....\$64.99

LFX 30 12" Reflector Z range - 30-40°, U range - 30°. BF20623.....\$166.95

LFX 20 12" Reflector Z range - 20-40°, U range - 30°. BF20625.....\$174.95 LFX 20 12" Reflector

with Intensifier Z range - 15-30°, U range - 20°. BF20624.....\$204.95

### **Grid-spots**

Offer contrast control by simply reducing angle of light: the tighter the angle, the higher the contrast. Black grids for sharp edges; gray grids for softer edges. Includes case.

7" (18cm) Black Grid-spot Set Four grids: 10°, 20°, 30°, 40°. BF20501.....\$174.95 7" (18cm) Gray Grid-spot Set Four grids: 10°, 20°, 30°, 40°.

BF20502.....\$174.95 7" (18cm) Black Grid-spot Set Five grids: 3°, 10°, 20°, 30°, 40°. BF20511.....\$234.95

12" (30cm) Black Grid-spot Set Three grids: 20°, 30°, 40°. BF20520.....\$234.95 **Pyrex Shells** 

These interchangeable shells not only protect the flash tube and modeling light, they also provide a practical and economical color temperature control system for Balcar lightheads. Clear shell is UV-absorbing for soft boxes. Yellow/Gold shell is for 5250°K from direct source or umbrellas. Amber shell is for 3200°K flash.

Clear (for all Z heads) BF30420.....\$52.00 Yellow/Gold (for all Z heads) BF30421.....\$85.00 Amber (for all Z heads) BF30422.....\$79.00 Clear (for U, PS-U heads, Pencil Light and Monoblocs) BF30428.....\$52.09 Yellow/Gold (for U, PS-U heads. Pencil Light and Monoblocs) BF30429.....\$79.00 Amber (for U, PS-U heads. Pencil Light and Monoblocs) BF30430.....\$79.00 Clear (for Mini-Z) BF30480.....\$39.00

### Flash Tubes

Long Standard Tube (3200w/s) <b>BF30453\$182.00</b>
Short Standard Tube (3200w/s) <b>BF30454\$182.00</b>
Long Heavy-duty Tube (4800w/s) <b>BF30455\$365.00</b>
Mini-Z Short Tube <b>BF30451\$75.00</b>



light with the softness of diffused light. The Diamond box offers a great deal of light control from a single source, producing only one shadow. It consists of a round, 31" diameter spun aluminum reflector with a smaller, dome diffuser positioned in the middle,

directly over the light source.
This spreads the light over the entire reflective surface, creating a homogeneous and extremely even light source.

To increase shadow sharpness and color saturation, simply remove the diffuser's front panel. For shadowless ring light effects with beautiful catch lights, a camera opening is provided below the central diffuser. For increased diffusion, add an optional face diffuser to the front of the reflector. To reduce the lighting angle and increase contrast a 40° grid-spot is available.

Diamond box with adjustable yoke mounts directly to a light stand, boom or rail system.

BF20631.....\$699.95

Round Front Diffuser **BF20852 ......\$44.99**40° Grid-spot

BF20512 .....\$399.95

Cambo HST Light Stand CB1605 ......\$699.95

Opalite 2 (B)

Ideal for still lifes and portrait hair lights. The Opalite, similar to, but smaller than the Diamond box, is a round 19" reflector with a removable deflector in front of the flash tube. When the deflector is in place, the light is spread out towards the edges of the reflector, creating a soft, indirect light that is still highly efficient. With the deflector removed, it produces a sharp shadow behind the subject.

The Opalite is most often used close to the subject, producing soft shadows and transparent reflections. When it is used along with an umbrella, it becomes an efficient focusing light.

Grid spots (20°, 30° and 40°) and barndoors are optional Opalite accessories.

BF20611.....\$266.00

40° Grid-spot	
BF20504	\$99.00
30° Grid-spot	
BF20505	\$99.00
200 Caid and	

20° Grid-spot BF20506.....\$99.00 Barndoors (4 flaps)

BF20620.....\$249.95

Opale 41" Diffuser **BF20305.....\$29.99** 



Galaxy System (C)

These very special 4' x 4' modular lightboxes are designed for maximum efficiency. The Galaxy box utilizes directional lighting through a curved central diffuser, which emits light homogeneously over a larger angle than a standard box. Its brighter center section gives high color saturation, great detail, no cross shadows and great control of fall-off on the sides.

Galaxy boxes are only 18" deep, lightweight (22 lbs.) and shaped to nest inside each other, making them convenient to take on location.

Joined together they form a large strip light, or a Galaxy Ramp, perfect for lighting large sets evenly and without cross shadows. To construct a ramp, you need Joining and Pivot Kits.

An optional Frontal Square Diffuser produces perfectly even highlights (% - stop variation center-to-edge, % - stop variation center-to-corner). For dramatic lighting with higher contrast, a Grid-Spot Set is available.





**Pyramid** 

This diffusion shooting tent is ideal for lighting small objects with a shadowless light. The Pyramid offers a variety of lighting effects, can be used with any lighting system and is extremely portable. It features a 28" x 28" base with removable side flaps and top. Simply place your subject inside the Pyramid, your lights on the side to create highlights and shadows where needed and shoot your camera through openings at the top or on the side.

**Prisma Lightboxes** 

The distinctly unique shape of the Prisma lightboxes offer more light efficiency, versatility and control than their flat, rectangular, soft box competitors.

Prisma lights, available in two styles (rectangular and variable) and four sizes, are constructed of semi-rigid diffusing and reflecting panels bent and assembled together with snapbuttons. They are efficient and homogeneous, transmitting more than 80% of the light. They're also lightweight, anti-static, washable, UV absorbing and perfect for location work.

Their prismatic, 3-D shape reduces light fall-off since each facet lights a different direction. They actually become threelights-in-one, with a facet on the subject, one on the background and one on a reflecting panel. To control fall off, simply tilt the

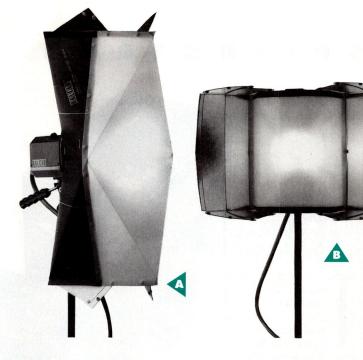
unit. Achieve a good balance between diffused shadows and sharp detail, between soft reflections and high color saturation, thanks to a slight hotspot at the center.

For the most light modulation, use them as close to the subject as possible — which ultimately requires less power.

**V-PLB Prisma Lightboxes** 

Variable-Prisma Lightboxes can be used with their front face either flat or prismatic, depending upon the angle of coverage required. To control contrast, pivot the box vertically (high) or horizontally (low).

V-PLB 30 (12" x 7" x 4")
BF20815\$110.00
V-PLB 65 (26" x 12" x 8")
BF20816 (A)\$195.00
V-PLB 110 (43" x 14" x 6")
BF20817\$235.00



R-PLB 50 Prisma Lightbox

This 20" x 13" rectangular box has a curved-shaped central diffuser which noticeably increases its angle of coverage. In addition, each R-PLB 50 lightbox features two variable

reflecting wings providing additional control to the angle lit. The R-PLB 50 is 5" deep and weighs just under 1 lb. BF20818 (B).....\$135.00 Grid-spot /Diffusion Kit BF20513 .....\$119.95



As the micro in its name implies, the Microlite System was designed specially for lighting objects measuring less than 2". It offers the same controls and possibilities as a normal, full-size Balcar system, and exposures as high as f/45.

Because the Microlite is properly proportioned to such small subjects as jewelry, insects, coins, etc., it can produce excellent color saturation and details.

The system consists of a microcaptor, which fits on any Balcar head or Monobloc. Up to three 42" Micro-fibers can be attached to carry the light from the source to the subject. These flexible tubes can be twisted into position until the light is exactly where you want it and held in

place by Micro-flex Stands. Additional lighting control is possible by using the Microdiffusers and Micro-tubospots, with 8 assorted filters in each set.

### Microlite System

With microcaptor and two each micro-fibers, -diffusers and holders, -tubospots and filter sets. BF30310.....\$899.95 Micro-fiber BF30303.....\$289.95 Micro-tubospot w/filters & holders BF30305.....\$27.99 Micro-diffuser BF30306.....\$35.99 Micro-flex Stand BF30309.....\$99.99



**Spot Projector** 

which fits directly onto any Balcar lighthead or Monobloc will enhance the creative options of any photo studio. For starters, it can project patterns of light onto the subject or background. Whether you use the set of round, oval, rectangle and triangle magnetic masks provided or make your own masks, the possibilities are endless.

Its 8-element lens provides perfectly sharp, focused light and can be adjusted to project an image as small as a coin or as large as a full figure. The mask or projected image plane "features Scheimpflug movements" to adjust sharpness when the spot projector is off axis (which is



more often than not the case). This extensive range and control gives the Spot Projector incredible versatility for use in fashion, still life and portraiture.

An optional accessory slide holder can be used to project 35mm slides, while an optional anti-heat filter system can protect against excessive heat build-up by deflecting the infrared rays away from them.

BF20430.....\$1570.00



features additive multi-channel design for symmetrical output and, at the flip of a rocker-style switch, asymmetrical output for the maximum lighting in ratios. Two of the six head outlets are specially designed to channel the entire 4800w/s of power through the 106 Light Unit. Other notable

■ Power Range: 200-4800w/s

■ Output Variation: 3-stop range in 1/3-stop increments

■ Power Channels: 3

specifications include:

SB1055 (A) .....\$2049.00

**Remote Variable Power Control** 

For 2403 or 4803-Series power supplies.

SB1250.....\$66.59

2403CX Power Supply

This popular power supply offers variable output control for fast and repeatable brackets in 1/3-stop increments. Now features rockerstyle switches instead of toggle switches. Other notable specifications include:

- Power Range: 25-2400w/s
- Output Variation: 3-stop range
- Power Channels: 3

SB1025 (B).....\$1569.00

2401CX Power Supply

Utilizing its additive 3-channel design, the 2401CX will give you the widest possible selection of lighting ratios to up to six light units. Features rocker-style switches instead of toggles

- Power Range: 200-2400w/s
- Output Variation: Combine/Isolate

SB1021.....\$1399.00

SB1040.....\$1569.00

1205CX Power Supply

- Power Range: 37-1200w/s
- Output Variation: 2-stop range continuous dial
- Power Channels: 3

SB1015.....\$1039.00

### 805 Power Supply

- Power Range: 50-800w/s
- Output Variation: Sym/Asym
- Power Channels: 4

SB1065 .....\$679.95

### **405 Power Supply**

- Power Range: 50-400w/s
- Output Variation: Sym/Asym
- Power Channels: 4

SB1060 .....\$419.95

Power Pack	Power Capacity	Flash Output*	Head Outlets	Disribution (Sym/Asym)	Variable Output (f/stop range)	Recycle Time (full)	Amps Drawn (Fast/Slow)	Dimensions (W x L x H)	Weight
405	400w/s	f/8.0	3	Sym/Asym	3-Stop Range	1.3	12	6½" x 4½" x 7½"	5 lbs.
805	800w/s	f/8.7	4	Sym/Asym	4-Stop Range	1.3	12	71/4" x 41/2" x 81/4"	8 lbs.
1205	1200w/s	f/16.0	4	Sym/Asym	3-Stop Range	.9	20/15	8¾" x 6 ½" x 10"	15 lbs.
2401B	2400w/s	f/16.5	6	Sym/Asym	Combined/Isolate	2.0	20/10	83/4" x 111/2" x 133/4"	25 lbs.
2403C	2400w/s	f/16.5	6	Sym/Asym	4-Stop Range	2.0	20/10	9" x 12" x 14"	28 lbs.
2405	2400w/s	f/16.9	4	Sym/Asym	3-Stop Range	2.0	20/15	8¾" x 6 ½" x 13"	23 lbs.
4803C	4800w/s	f/32.1	6	Sym/Asym	4-Stop Range	4.0	24/12	8 ³ / ₄ " x 13 ³ / ₄ " x 14 ¹ / ₄ "	43 lbs.

^{*}f/stop produced at 10' with standard head fitted with Chimera Silver Medium Super Pro. The ISO setting was 100.



103B Light Unit (C)

This compact 2400w/s unit offers easy handling and, with its detachable cable, makes a great travel companion. Features convection cooling, plugs into any Black Line pack and accepts all universal reflectors and accessories. Includes 150 watt model lamp.

103B Light w/7" Reflector SB1097.....\$269.95 103B Light w/11½" Reflector SB1096.....\$269.95 103B Light Unit w/colorcorrected lamp and 7" Reflector SB1099.....\$279.95 103B Light Unit w/color corrected lamp and 111/2" Reflector

SB1098.....\$279.95

102 Light Unit (D)

Speedotron's "standard" 2400w/s head is fan-cooled and designed for heav-duty daily use. It fits all power supplies and accepts all universal reflectors and accessories. Includes 250 watt quartz model lamp and 20' cable.

102 Light Unit-w/7" Reflector SB1105.....\$289.95 102 Light Unit w/color corrected

lamp and 7" Reflector SB1106.....\$299.95

102 Light Unit-w/11½" Reflector SB1102.....\$289.95 102 Light Unit w/color corrected

light tube and 11½" Reflector SB1101.....\$299.95

202VF Light Unit (E)

This 2400w/s flash head features a variable-beam focus adjustable from 40-70°. Accepts all universal accessories, and comes with 250 watt modeling lamp, detachable 20' cable and pan/tilt mount.

202VF Light Unit w/7" Reflector SB1118.....\$368.95

202VF Light Unit w/color corrected lamp and 7" Reflector SB1120.....\$378.95

202VF Light Unit w/11½" Reflector SB1116.....\$368.95

202VF Light Unit w/color corrected lamp and 11½" Reflector SB1119.....\$378.95 206VF Light Unit

Speedotron's innovative 206VF light heads feature variable-beam focus for angle of coverage from 30° to 80°. The 206VF also has built-in recessed switches for the 250 watt modeling lamps.

206VF Light Unit w/7" Reflector SB1122.....\$417.95 206VF Light Unit w/color corrected lamp and 7" Reflector SB1124.....\$427.95 206VF Light Unit w/11½" Reflector SB1121.....\$417.95 206VF Light Unit w/color corrected lamp, 111/2" Reflector SB1123.....\$427.95

105 Light Unit (F)

This special purpose light unit handles up to 9600w/s of power from either four 2400 or two 4800w/s power supplies. 250 watt modeling lamp included. 105 Light Unit, 4-Cable SB1107.....\$892.95

105 Light Unit, 4 Cable w/color corrected lamps SB11075.....\$969.95

105 Light Unit, 2-Cable SB1108.....\$879.95

105 Light Unit, 2 Cable w/color corrected lamps SB11085.....\$883.95



Speedotron **Zoom Spot Projector** 

Project patterns of light, color or transparent images onto the background or subject with this dual lens zoom — spot light unit. Allows coverage from 30-60° (greater with optional Circle Pattern Set), focus from as close as 2' and creative options beyond your wildest dreams. Features built-in beam-shaping arms, gel filter holder, pattern/gobo holder, a 3-position model lamp switch and cooling fan. Includes a 4800w/s UV-coated flash tube, 250w model lamp, %" stand adapter and adjustable yoke. Measures 24" x 11" x 101/4" and weighs 15½ lbs.

SB1011.....\$799.95

### Accessories

Circle Pattern Set

Five different size circle patterns in stainless steel slip-in disks. SB1012.....\$39.99

**Donut for Zoom Spot** 

This handy insert sharpens the projected image and reduces halation effects. Requires ½-stop compensation.

SB1013.....\$19.99

Replacement 4800w/s UV flash tube for Zoom Spot Projector SB1014.....\$209.95

Replacement 250w model lamp for Zoom Spot Projector WIE4H .....\$18.95

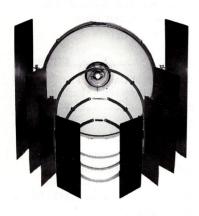
### **Calumet Fresnel Spot**

This unique flash head attachment features adjustable light beam control for dramatic and creative lighting. Simply mount your Speedotron light unit inside the Fresnel Spot housing and you can quickly adjust the diameter of your light beam with precise smooth accuracy. Also features adjustable-angle yoke, built-in gel holder and 5/8" mount. CE2365 .....\$649.95

Speedotron Light Unit Adapter CE2388 .....\$49.95



### SPEEDOTRON



### Accessories for Black Line Heads

for Black Line Heads
Black Line Reflectors 7" (105°) Reflector for Grids SB1207\$20.95
7" Reflector for 202VF/206 SB1206\$20.99
7" (flat black) for use w/snoot <b>SB1208\$20.95</b>
7" for 102 Head only (45°) <b>SB1225\$20.95</b>
11½" (50°) Reflector <b>SB1211\$24.95</b>
16" (50°) Reflector <b>SB1216\$28.95</b>
16" Sports Reflector (30°) SB1218\$43.95
20" (50°) Reflector <b>SB1220\$37.95</b>

Barn Doors* For 7" Reflector SB1307\$28.89 For 11½" Reflector SB1311\$39.99 For 16" Reflector SB1316\$56.49
SB1316\$56.49
Mylar Clip-on Diffusers*
7" SB1407\$7.95 11½" SB1411\$11.95
11½" SB1411\$11.95
16" SB1416\$15.95 20" SB1420\$17.95 Gel Holders*
20" SB1420\$17.95
Gel Holders*
7" SB1471\$9.95 11½" SB1472\$14.95 16" SB1473\$19.95
11½" SB1472\$14.95
16" <b>SB1473\$19.95</b>
20" SB1474\$19.95
Grids and Snoot for 7" Reflector*
3° Grid <b>SB1200\$59.99</b> 10° Grid <b>SB1201\$39.95</b>
10° Grid SB1201\$39.95
20° Grid SB1202\$34.95
30° Grid <b>SB1203\$29.95</b>
40° Grid SB1204\$29.95
10, 20, 30, 40° Grid Set
SB1205\$104.95
Universal Snoot (2½" opening) SB1451\$18.95
SB1451\$18.95
Grids for 11½" Reflector*
10° Grid SB1212\$69.99
20° Grid SB1213\$54.95
10° Grid SB1212\$69.99 20° Grid SB1213\$54.95 35° Grid SB1214\$44.95
20, 35° Grid Set
20, 35° Grid Set <b>SB1215\$89.95</b>
20° Grid for 16" Reflector
SB1219\$64.95
20° Grid for 20" Reflector <b>SB1222\$79.95</b>
3D14447/9.93

Miscellaneous Accessories	
25' Extension Cord for 102/202 SB1730\$64.59	
25' Extension Cord for 106/206 SB1740\$84.95	
Power Cord for Black Line Packs SB2532\$8.95	
Power Cord for All Black Line X Models SB2533\$9.00	
Dolly for Black Line Power Packs SB4025\$56.95	Sp
Black Monopod for Dolly (SB4025) SB4030\$49.95	De equ
Flash Tube Cover for 102, 104, 105 Heads \$\mathbb{SB1460}\$\\$18.95	sho
Flash Tube Cover for 106 and 206 Heads \$\text{SB1462}\$\$25.95	Air Me (O
Flash Tube Cover for 202 and 206VF Heads SB1135\$9.95	SB Air Me
*Can also be used with Brown Line heads.	SB Air Me
3-Section Soft-Sided Carrying Case	(O SB
Measures 28½" x 8" x 14" (O.D.) SB1515\$89.99	4-l Me
4-Section Soft-Sided Carrying Case	SB 3-9



### **Speedotron Air Cases**

Designed to provide maximum equipment protection while adding the minimum weight. All feature strong rigid sides wrapped in shock-absorbing foam and covered with ballistics nylon.

Air Case for 4803	<b>Power Supply</b>
Measures 17½" x 1	2½" x 19"
(O.D.)	
SB1524	\$187.95
Air Case for 2403	<b>Power Supply</b>
Measures 16" x 12	2½" x 19" (O.D.)
SB1527	\$187.95
Air Case for 2405	<b>Power Supply</b>
Measures 12½" x 1	

Measures 12½" x 17½" x 10" (O.D.)

SB1530......\$187.95

4-Head Air Case

Measures 35" x 13" x 8" (O.D.) **SB1525.....\$288.95** 

3-Section w/stands Section Air Case
Measures 33%" x 14" x 13" (O D

Measures 33½" x 14" x 13" (O.D.) SB1535 \$279.95



### Speedotron Flash/Umbrella Packages

# Get started with Speedotron and Save!

Each package listed below includes power supply, three 102 Light Units w/7" reflectors, three 8' Calumet Compact Light Stands and three 45" Calumet Umbrellas.

### Speedotron 2-Light Travel Systems

Measures 35½" x 13" x 11½"

SB1520.....\$109.95

(O.D.)

The following packages include a power supply (specified in system name), two 202VF light units w/7" umbrella reflectors, two 9' stands, two 48" umbrellas and one 3-section air case. Systems with CC reference substitute standard flash tubes with 5500°K CC flash tubes.

812 Travel System <b>SB1072\$1779.00</b>
812 CC Travel System <b>SB1073\$1809.00</b>
1205 Travel System <b>SB1074\$2039.00</b>
1205 CC Travel System <b>SB1076\$2069.00</b>
2405 Travel System <b>SB1078\$2559.00</b>

2405 CC Travel System **SB1080.....\$2579.00** 

### Speedotron 3-Light Flash Systems

Power supply (specified in system name), one 202VF light unit with 11½" grid reflector, two 202VF light units w/7" umbrella reflectors, one 11' stand, two 9' stands and one 30" x 40" soft box included. Systems with CC reference substitute standard flash tubes with 5500°K CC flash tubes. 2401 3-Light System

SB1082	\$2699.00
2401 CC 3-Light Syst SB1083	
2403 3-Light System <b>SB1087</b>	\$2869.00
2403 CC 3-Light Syst SB1088	
2405 3-Light System <b>SB1092</b>	\$2869.00
2405 CC 3-Light Syst SB1093	

### NORMAN



### SERIES 900

orman's Series 900 power packs and lampheads offer high power, versatility and rugged dependability for general purpose lighting applications. Choose from six power supplies, with power output ranging from 800 to 4000w/s allowing you to grow into the system at your own pace. Each features versatile flash output options depending on your choice of flash head (up to 60 possible combinations when using multiple heads!) and a variety of reflectors and accessories.

# Series 900 Power Supplies 4000-PS

### P2000-D

### P2000-PS

### P20/20

A great "all-purpose" pack: light-weight and versatile.

NR1500 ......\$1439.00

### P800-D

Perfect for portraits, small product or location work.

NR1200.....\$799.95

### P1212

Excellent pack for portraits or small product work, with variable power control over a 5-stop range to four heads.

NR1600.....\$1069.00



High-impact fiberglass resin 2000w/s housing, 150w model lamp w/switch, friction-float stand adapter. Comes with or without fan and/or UV-corrected

tube and 20' cable.

LH2400-UV w/UV Tube NR2220 ......\$295.95 LH2400-BUV w/Fan & UV NR2225 ......\$359.95

Fan for LH2400 Head (retrofits convection-cooled head) NR4170 \$91.19

### **LH2000 Lampheads**

This all-metal construction 2000w/s head is available in fancooled or convection cooling models and with or without UV-corrected tube. Features 150w modeling lamp and 20' cable. LH2000-UV w/UV Tube

NR1910 ......\$315.95 LH2000-BUV w/Fan & UV

NR1915.....\$389.95

### LH4000 Lampheads

With dual helix 4000w/s tube, fan, 250w lamp, two 20' cables.

LH4000 w/Standard Dual Tube

NR2230 .................\$544.95

LH4000-UV w/UV Dual Tube

NR2240 ....................\$593.95



5C Snoot (30°)
NR4000......\$30.89
5DL 5" Umbrella Refl. (140°)
NR4010.....\$23.69

5E-2 10" Reflector (60°) for LH2000

**NR4030......\$37.79** 5E-24 10" Reflector (60°)

w/umbrella shaft hole positioned for LH2400 head.

NR4040 ......\$37.79 5X 22" Soft Light Refl. (130°)

NR4130 ......\$95.59 RP-1 Diffusion Dome

**NR4140** ......\$27.99 R9109 Flash Tube Cover

NR4150.....\$17.49

Lamphead Extension & Y Cables 20' Lamphead extension cable NR2280 .......\$63.89

Y Cable NR2285 .....\$86.69

### Grids

NR4440.....\$176.89

Power Pack	Power Capacity	Flash Output*	Head Outlets	Distribution (Sym/Asym)	Variable Output (f/stop range)	Recycle Time (Full)	Amps Drawn	Size (H x L x W)	Weight
P800-D	800w/s	200w/s	4	Sym/Asym	2 - Stop Range	1.25 sec.	15	8 5%" x 9" x 7"	15 lbs.
P20/20	2000w/s	100w/s	6	Sym/Asym	41/4 -Stop Range	2.5 sec.	15	7 1/8" x 12 1/8" x 6 1/2"	17 lbs.
P2000-PS	2000w/s	125w/s	2	Sym	4 - Stop Range	2.5 sec.	12	8 1/16" x 9 1/2" x 6 3/4"	15 lbs.
P2000-D	2000w/s	400w/s	7	Sym/Asym	2⅓- Stop Range	2.75 sec.	15	10 11/16" x 15 13/16" x 6 1/2"	29 lbs.
P4000-PS	4000w/s	188w/s	2	Sym	4½ - Stop Range	5 sec.	15	9 ½" x 12 ½" x 6 ½""	24 lbs

### DYNA-LITE



### PORTABLE, POWERFUL, VERSATILE

his extremely portable line offers plenty of power output flexibility as well as a versatile selection of light control accessories. Dyna-lite's super-compact, ultra-light packs all feature arc protected connectors and switches, circuit breaker protection and a 2-year warranty.

Dyna-lite's versatile flash heads feature detachable 14' cables, ratcheted handle mount, quick mount/removal reflectors and accessories, universal interface with all Lowel "Omni" series lighting control accessoriesand 140° built-in reflector.

Note: Dyna-lite power packs are supplied with sync cords. "M" Series Power Packs will accept "D" Series Flash Heads with an adapter.

### **Power Packs**

### M2000XL Power Pack — NEW

This fan-cooled 2000w/s pack has a 5-stop range (adjustable in 1/3 stops), five arc-proof head outlets, proportional modeling, built-in slave. Now under 14 lbs. DY4025 (A).....\$1449.00

### M2000E Power Pack — NEW

### M1000XL Power Pack - NEW

This 1000w/s pack has a 5-stop range adjustable in 1/3 stops, dual modeling lamp dimmers, built-in Wein 2-channel infrared slave, switchable 100% ready beep, and ready light.

DY4015 .....\$949.95

### **M800E Power Pack**

Seven power settings, from 100 to 800w/s, symmetrical or not. Four arc-proof head outlets.

DY4008 .....\$579.95

### M500XL Power Pack — NEW

500w/s from a 4 lb. pack! 5-stop range (in 1/3 stop increments). Proportional modeling and built-in slave. Upgraded sync circuitry. DY4007......\$459.95

Flash Heads

### 2040 Blower Flash Head

This blower-cooled, 2000 w/s flash head is compact and weighs only 2.4 lbs. Features 250 watt modeling lamp, cooling fan and ½" umbrella receptacle.

DY4036.....\$329.95

### 4040 Studio Flash Head

This 2000 w/s flash head is blower-cooled. With 250 watt modeling lamp, cooling fan and ½" umbrella receptacle, it weighs a mere 2.4 lbs. Also accepts Comet flash head accessories.

DY4089 .....\$429.95

### 1020 Mini Head

Features 1200 w/s UV corrected flash tube and a 150 watt modeling lamp.

DY4044.....\$249.95

### **Dyna-lite Accessories**

**50° Reflector** 10" parabolic reflector.

DY3500 .....\$35.95

### 80° Reflector

9" parabolic reflector. Can be used w/umbrella.

DY3505 ......\$35.95

Gel Holder Adapter

Uses the umbrella mounting hole to hold Lowel Tota-Frame to any Dyna-Lite head.

DY3510 .....\$14.95

### **Accessory Frame**

Can control light by inserting Lowel Omni scrims and diffusers into the light beam. Rotates 360°. DY3520 .....\$29.95

### **Barn Door Set**

Same as Accessory Frame with 4 removable doors.

DY3525 .....\$61.95

### **Angle Reducing Ring**

This "snoot" reduces the angle of light coverage. One ring reduces the angle to 60°, two rings reduce angle to 30° and three rings reduce angle to 15°.

DY3515.....\$28.95

### **Grid Spot Holder**

For Dyna-lite, Balcar or Calumet 7" grids.

DY3530 .....\$34.95

### **Grid Spot Set**

Set of three 60°, 45°, and 25°. **DY3535.....\$149.95** 

### 15' Extension Cable

For "D" series Flash Head. **DY3560 .....\$45.95** 

### 15' Extension Cable

For "M" series Flash Head. **DY4070.....\$44.95** 

### **Small Dyna-lite Case**

### Large Dyna-lite Case

Holds up to three power packs and four flash heads.
Weight: appx. 23 lbs.

DY3655 .....\$220.95

### Dyna-lite IRT-1 Infrared Transmitter

DY4017 .....\$159.95

Power Pack	Power Capacity	Flash Output*	Head Outlets	Distribution (Sym/Asym)	Variable Output (f/stop range)	Recycle Time (full)	Amps Drawn (Fast/Slow)	Size (W. x D. x H.)	Weight
M500XL	500w/s	f/11.4	3	Sym/Asym	5-Stop Range	.9 sec.	15/7	55/8" x 57/8" x 53/4"	4.2 lbs.
M800E	800w/s	f/16	4	Sym/Asym	4-Stop Range	1.5 sec.	16/13	5 1/8" x 6 1/8" x 8 1/4"	8.1 lbs.
M1000XL	1000w/s	f/16.4	4	Sym/Asym	5-Stop Range	1.5 sec.	16/13	55/8" x 67/8" x 67/8"	6.4 lbs.
M2000e	2000w/s	f/22.4	3	Sym/Asym	5-Stop Range	2.1 sec.	18	67/8" x 91/4" x 81/4"	13.9 lbs.
M2000XL	2000w/s	f/22.4	5	Sym/Asym	5-Stop Range	2.1 sec.	18	61/8" x 91/4" x 81/4"	13.9 lbs.



### M112L-PS

This complete Dyna-Lite Flash System is based on the 1000w/s M1000x power pack and includes two each fan-cooled heads with cables, umbrellas and 7' stands, a Lightware shoulder bag, and the IRT-1 remote control transmitter.

DY5020 (A).....\$2039.00

### M53DT-PS

### M52BT-PS

 These economical kits include: 2 power packs, 3 blower-cooled flash heads, carrying case with shoulder strap and all cables.

M500X 2-Pack/3-Head Kit **DY5005.....\$1939.95** 

M1000X 2-Pack/3-Head Kit *Includes IRT-1 Transmitter* **DY5025 ......\$2999.00** 

### COMET

### **Comet Power Packs**

### Comet CX-124A and Comet CX-244A Power Supplies

These professional power packs are heavy-duty and lightweight. They feature audio/visual ready signals, built-in photo slave, dual sync outlets, non-arcing circuits and cooling fan. Includes power and sync cord, 2-year warranty.

CX-124A Power Pack (1200w/s) CM4002 ......\$1839.00

CX-244A Power Pack (2400w/s) CM4001 .....\$2199.00



### CX-244A Power Package

Includes two 2400w/s CX-244A packs, one 4800w/s bi-tube head, and one 9" standard reflector. CM4005......\$5409.00

### CX-244A Flash Package

Includes one CX-244A power pack, two CX-24II flash heads, two 7" reflectors, two 42" white umbrellas and two stands.

CM4035 ......\$2995.00

### **Cometlite Power Pack**

### Cometlite CL-1250 Power Supply

This ultra-light power pack provides variable flash output and modeling lamp intensity over a two f/stop range from two channels. Features symmetrical/asymmetrical modes, a built-in photo cell, and an audio recycling monitor with on/off switch. Includes power cable, sync cord, soft carry case and two-year warranty.

CM3510 .....\$1479.00

### CL-1250 Flash Package

Includes CL-1250 supply, two CX24II flash heads, two 7" reflectors and a soft carrying bag. CM3506......\$2350.00

Power Pack	Power Capacity	Flash Output*	Head Outlets	Distribution (Sym/Asym)	Variable Output (f/stop range)	Recycle Time (full)	Amps Drawn (Fast/Slow)	Size (W. x D. x H.)	Weight
CX-124A	1200w/s	f/11.8	4	Sym/Asym	3-Stop Range	1.8 sec.	20	111/3" x 91/3" x 61/4"	15.5 lbs.
CX-244A	2400w/s	f/22.4	4	Sym/Asym	3-Stop Range	1.8 sec.	25	141/8" x 11 " x 6 "	20.5 lbs.
CL-1250	1250w/s	f/11.9	3	Sym/Asym	2-Stop Range	2.8 sec.	15	7½" x 4" x 10½"	9.7 lbs.

^{*}f/stop produced at 10' with standard head fitted with Chimera Silver Medium Super Pro. The ISO setting was 100.





### LOCATION & STUDIO LIGHTING

ovatron's compact. efficient strobe lighting systems offer quality lighting at affordable prices. Their variable, symmetrical power pack settings combined with special reducing heads give the photographer asymmetrical choices for better creative control.

### **Power Packs**

Compact units with symmetrical power, power selection switches in 1-stop increments, and bleeddown circuitry for safe operation. Novatron VR packs offer voltage regulation for improved performance.

120 Power Pack w/buil <b>NV0120</b> ( <b>C</b> )	
240 Power Pack <b>NV0240</b> (A)	\$223.95
400VR Power Pack <b>NV5300</b>	\$350.95
500VR Power Pack <b>NV0550</b>	\$374.95
1000VR Power Pack <b>NV1050</b>	\$627.95
1200VR Power Pack NV5320 (B)	\$796.95

### Flash Heads

2000 Series 5500° K Heads

With 500w/s tube, 61/2" reflector 2000-C Standard Flash Head (with 15' cable)

NV2001.....\$129.95 2000-C Standard Flash Head (with 25' cable) NV2006.....\$132.95

2100 Series 5500° K Heads

With 1000w/s tube, 6 1/2" reflector 2100-C Standard Flash Head (with 15' cable)

NV2101.....\$136.95 2100-C Standard Flash Head (with 25' cable)

NV2106.....\$142.95

### 2140-C Reducing Head (5500° K)

Offers convenient, full-power, one-stop and two-stop flash and/or modeling reduction. NV2141.....\$175.95

### 2153-C Switching Bare Tube Head (5500° K)

Ideal for interiors and with soft boxes. Accepts reflectors, snoots. and grids. Features full, one-stop and two-stop flash and/or modeling reduction.

NV2134.....\$207.95

### 2150-FC Fan-Cooled **Bare Tube Head**

For up to 1600w/s. Perfect for use with soft boxes.

NV2630.....\$263.95

Prices are subject to change.

### **Novatron Accessories**

2-Way Revolving Barn Doors NV4010.....\$58.79 4-Way Revolving Barn Doors NV4011.....\$74.79 Snoot NV4000.....\$36.79

Honeycomb Grid for Snoot NV4004.....\$15.89 Adjustable Snoot (extends 91/2")

NV4001.....\$56.69 Grid for Adjustable Snoot NV4003.....\$15.89

Gel Holder (holds 8" x 8" gels) NV4020.....\$32.79

Head Extension Cord 15' NV4015.....\$47.99 Head Extension Cord 25'

NV4025.....\$50.89 Y Connector for heads NV4026.....\$56.89

NV4030.....\$21.99 **Bare Tube Head Accessories** 

6½" Reflector (80°) NV2032.....\$34.89

16" Reflector (90°)

NV2034.....\$54.59

Note: Novatron heads are also available with non-UV coated flash tubes. Flash tubes must be installed by Novatron. Call for details on Novatron products not listed.

### **Novatron Flash Kits**

### 150 Fun Kit

Includes 150 power pack, one 2000-C head, one 2040-C reducing head, two 30" white umbrellas, two 8' light stands and sync cord.

NV0153.....\$458.95

### 240 Fun Kit

For more power and flexibility! Includes 240 power pack, one 2000-C head, one 2040-C reducing head, two 30" white umbrellas, two 8' light stands and sync cord.

NV0243.....\$513.95

**Fun Kit Carry Case** NV6002.....\$84.69

### 400 Mini Pro Kit

This compact location kit includes 400VR pack, one 2100-C head, one 2140-C reducing head, two 45" white umbrellas, two 10' light stands. sync cord and carrying case. NV5501.....\$731.95

### 500 Pro Kit

Includes 500VR power pack, one 2100-C head, one 2110-C 1-stop reducing head, one 2140-C reducing head, two 45" white umbrellas, one 4' backlight stand, two 10' light stands sync cord and carrying case.

NV6520.....\$952.95

Power Pack	Power Capacity	Flash Output*	Head Outlets	Distribution (Sym/Asym)	Variable Output (f/stop range)	Recycle Time (full)	Amps Drawn (Fast/Slow)	Size (W. x L. x H.)	Weight
120	120w/s	30w/s	3	Sym	Full/Half/Qtr.	3.5 sec.	3	53/8" x 61/4" x 57/8"	5 lbs. 7 oz.
240	240w/s	120w/s	3	Sym	Full/Half	5.0 sec.	4	53/8" x 61/4" x 57/8"	5 lbs. 8 oz.
400VR	400w/s	100w/s	4	Sym	Full/Half/Qtr.	1.8 sec.	10	63/4" x 71/8" x 6"	8 lbs. 7 oz.
500	500w/s	250w/s	4	Sym	Full/Half	2.5 sec.	10	63/8" x 81/2" x 63/4"	13 lbs.
1000	1000w/s	250w/s	4	Sym	Full/Half/Qtr.	3.0 sec.	12	63/8" x 10" x 75/8"	16 lbs.
1200VR	1200w/s	300w/s	4	Sym	Full/Half/Qtr.	3.0 sec.	12	63/8" x 8 1/2" x 63/4"	13 lbs.

### MONOLIGHTS



**Photogenic Powerlight 600** 

This 600w/s monolight with a guide number of 365 at full power (ISO 100 with 7½" reflector) features continuously variable flash and modeling light over a 5 f/stop range. Comes with a 7½" Quick Change (QC) reflector and clamp, and accepts all Flashmaster QC reflectors. Three sec. recycling at full power, ½ sec. at low power. Weight: 6 lbs.

Dimensions: 7½"(1) x 4½"(w) x 4½"(h) **PG2000......\$489.95** 

Powerlight 600 w/case PG2001 .....\$509.95

Powerlight Accessories
14" QC Reflector (50° coverage)
PG1595\$64.95
16" QC Reflector (40° coverage)
PG1600\$67.95
20" QC Reflector (65° coverage)
PG1602\$74.95
24" QC Reflector (100° coverage)
PG1603\$144.95
Shallow QC Background Reflector
PG1890\$26.95
Deep QC Background Reflector
PG1892\$49.95
Clamp-on Diffuser for 16" Reflector
PG1500\$36.95
Clamp-on Barndoors w/diffuser for 16" Refl.
PG1512\$86.95
Stand Adaptor
PG2003\$22.99



### **Sunpak Monolights**

These versatile self-contained light units offer some unique, revolutionary features.

- Variable power control with proportional modeling light
- Built-in slave with 180° coverage
- Wide range of accessory reflectors

### MS-2400

Features 400w/s stored energy, with a guide number of 280 at full power (ISO 100). Or switch to half power for a GN of 140. Flash recycles in 4 seconds (2 sec. for half power). Flash duration is 1/1100 second at full power and 1/770 sec. at half. Weight: 5.6 lbs. Dimensions: 9" x 5½" x 10.8". (Reflector not included.)

SU6007 \$329.95

### MS-4000

 Photogenic Photomaster Light Systems

Super-compact, powerful lighting with heavy-duty, portable power packs with built-in photo slave, and output flexibility of full, ½, ¼, and ½

ratio mode. Complete kits include:

Power supply

power on all

outlets or in 3:1

- Two 400w/s light units w/6" reflectors
- Two 9' light stands
- Carrying case

Photomaster 400 2-Light Kit PG2240.....\$779.95 Photomaster 800 2-Light Kit

PG2280.....\$869.95
Calumet also stocks Porta-Master Kits and

Sunnak Manaliaht Accessios

accessories. Call for more information.

Sunpak Monolight	Accessories	
6" Standard Reflector	SU6020	\$32.09
12" Reflector	SU6025	\$71.29
16" Reflector	SU6030	\$89.39
6" 4-Way Barndoor	SU6021\$	121.95
6" Grid	SU6022	\$71.29
12" 2-Way Barndoor	SU6026\$	116.95
12" Grid	SU6028\$	117.95
16" 2-Way Barndoor	SU6031\$	126.95
16" Diffuser Holder	SU6032	\$71.29
Snoot	SU6015	\$47.29
12' Sync Cord	SU6055	\$12.09
Replacement		
Flash Tube Cover	SU6010	\$21.19



### **Novatron MonoLight**

All models feature adjustable power control switch (full, ½ and ½) constant full/proportional modeling lamp switch, and built-in recessed reflector 100% ready light, and open flash button. Models M-120-S and M-240-S feature a built-in slave with on/off switch.

# M-120-S MonoLight (120w/s) Recycles in 1.2 sec. (full). Dimensions: 7½"(1) x 6½"(w) x 6½"(h). Weight: 4 lbs.

NV8120 ......\$204.95 200-M MonoLight (200w/s)

**M-240-S MonoLight** (240w/s)

**400-M MonoLight** (400w/s)

### **Novatron Monolight Accessories**

Slave	NV4030\$20.95
4-Way Barndoors	NV4011\$68.95
Snoot	NV4000\$32.95
Adjustable Snoot (ex NV4001	tends to 9½")
Honeycomb Grid for NV4003	Adjustable Snoot
Honeycomb Grid for NV4005	Standard Reflector \$43.79
Honeycomb Grid wi	d. C-1 II-14-

Gel Holder for Standard Reflector (holds 8" x 8" gels) **NV4020......\$32.79** 

NV4520 .....\$51.89



### **400B Battery Portable**

This high-powered portable is perfect for large group shots, interior accents, sports and news photography. In addition to giving you one more f/stop than the 200C, the 400B features:

- Choice of four output levels: 400, 200, 100 or 50w/s
- 175 (at 400w/s) to 1400 (at 50w/s) flashes per charge
- Fast recycling from 1/3 sec. (at 50w/s) to 3 sec. (at 400w/s)
- 2-hour recharging time
- Battery weighs under 6 lbs., and measures 101/2" x 51/4" x 31/4"
- Full line of reflectors, barn doors, diffusors, etc.

### **400B Battery Portable Outfit**

Includes power supply, battery pack and charger, lamp head with 5" (60°) reflector and strap.

NR3100.....\$764.95 Extra Battery for 400B

NR3408.....\$69.09

### **200C Battery Portable**

Enjoy great 200C freedom of movement and high flash output from this newly designed battery-powered flash. The 200C offers these fine features:

- Choice of three output levels: 200, 100 or 50w/s
- Interchangeable battery—carry a back-up for emergencies
- 170 (at 200w/s) to 680 (at 50w/s) flashes per charge
- Fast recycling, from 1/3 sec. (at 50w/s) to  $1\frac{1}{2}$  sec. (at 200w/s)
- Lightweight 3.75 lb. battery measures 81/5" x 43/4" x 21/4"
- 70-minute recharging time
- Full line of reflectors diffusors and other accessories

### 200C Battery Portable Outfit

Includes power supply, battery pack and charger, lamp head with 5" (60°) reflector and strap.

NR2800.....\$665.95 Extra Battery for 200C

NR2880.....\$70.49



### Series 500

### **P808 Portrait Pack**

Features an output range of 50 - 400w/s, four lamphead outlets, 1/400 to 1/800 sec. flash duration, 0.4 to 2 sec. recycling and voltage stabilized power. 85/8" x 61/2" x 7".Wt.: 9 lbs. 14 oz. NR1100.....\$819.95

### **P404 Power Supply**

Features output range of 25 -200w/s, two head outlets, 1/400 sec. flash duration, 1/3 to 2 3/4 sec. recycling, switchable photo-eye and ratioed modeling lamp control. 41/4" x 41/8" x 63/4". Wt.: 4 lbs. 8 oz.

NR3460.....\$459.95

### **LH500 Lampheads**

500w/s tube and 150w lamp. Accept all Series 900 reflectors.

LH500-B Fan-Cooled Head NR2130.....\$244.95

LH500 Convection-Cooled Head NR2120.....\$181.95

### **Brown Line Flash Systems**

### DM202 2-Light System

Includes 200w/s pack, two heads, silver and white umbrellas, two 7½' stands and soft carrying case. SB3039.....\$522.95

### DM402 2-Light System

Includes 400w/s pack, two heads, silver and white umbrellas, two 7½' stands and soft carrying case. SB3025.....\$636.95

Call 1-800-CALUMET for a full selection of Brown Line Accessories.



### DM604 2-Light System

Includes 600w/s pack, two heads, silver and white umbrellas, two 7½' stands and soft carrying case. SB3028.....\$729.95

### DM604 3-Light System

Includes 600w/s pack, three heads, snoot, two 7½' stands, one 3½' back light stand and soft carrying case. SB3008.....\$879.95

### DM802 4-Light System

Includes 800w/s pack, four heads, three 8½' stands, one 3½' back light stand, snoot, reflectors and barndoors.

SB3010.....\$1189.00

### DM1204 4-Light System

Includes 1200w/s pack, four heads, three 8½' stands, one 3½' back light stand, snoot, reflectors and barndoors.

SB3016.....\$1295.00

### DM1604 4-Light System

Includes 1600w/s pack, four heads, three 8½' stands, one 3½' back light stand, snoot, reflectors and barndoors.

SB3018.....\$1429.00

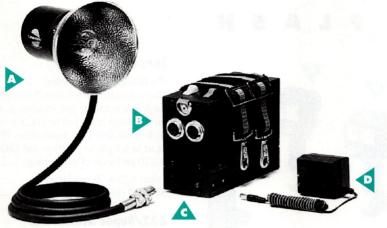
Power Pack	Power Capacity	Flash Output*	Head Outlets	Distribution (Sym/Asym)	Variable Output (f/stop range)	Recycle Time (Full)	Amps Drawn (Slow/Fast)	Size (W x L x H)	Weight
Norman									
P404	400w/s	50w/s	2	Sym	4-Stop Range	2.75	3.5	4 1/4" x 4 1/6" x 6 3/4"	4.5 lbs.
P808	800w/s	100w/s	4	Sym/Asym	3-Stop Range	2	15	8 %" x 6 ½" x 7"	13.25 lbs.
Speedotron Bi	rown Line							7	100
D202	200w/s	50w/s	2	Sym/Asym	Full/Half	3.3	6/12**	4 1/3" x 6 1/2" x 6 1/4"	6.4 lbs.
D402	400w/s	150w/s	4	Sym/Asym	Full/Half	1.7	6/12**	8" x 5" x 7 ¼"	12 lbs.
D604	600w/s	225w/s	4	Sym/Asym	11/2-Stop Range	2.3	6/12**	9 1/8" x 57/8" x 6"	11.2 lbs.
D802B	800w/s	300w/s	4	Sym/Asym	Full/Half	3.2	6/12**	8" x 5 5/8" x 7 1/4"	12 lbs.
D1204	1200w/s	225w/s	4	Sym/Asym	21/2-Stop Range	4.1	6/12**	9 1/8" x 5 1/8" x 8"	14.4 lbs.
D1604	1600w/s	300w/s	4	Sym/Asym	Full/Half/Low	5.9	6/12**	9 ½" x 6 ¾" x 8 ¼"	16.25 lbs.

#### LUMEDYNE

Lumedyne

sync cord.

200w/s Flash Package Get started in the Lumedyne system with this 200w/s high performance portable flash package that also has plenty of room to grow. Includes #065 power pack, #024 Mini battery, #001 Straight cord flash head, #014 Single-trickle charger and



#### As Easy As 1, 2, 3...

Lumedyne is one of the smallest and lightest flash systems in the world. Here's how simple it is to customize a system to match your needs:

- 1. Choose a power pack.
- 2. Select a power source (battery), and a charger.
- 3. Get a head (or several).

Once you've got a basic system, the options are endless, with modules that boost power (up to 2400w/s!), shorten recycle times (down to 5 f.p.s.!) and, in general, make Lumedyne one extremely versatile system.

#### 1. Power Packs

#065 Power Pack (200w/s)

Recycles in 5 sec. (full/"fast") 50, 100 and 200w/s settings. Weighs 2 lbs.

LU5000 (B).....\$261.95

#065X Power Pack (200w/s)

Same as #065, but recycles in 2.5 sec. (full/"fast"), weighs 2.5 lbs.

LU8530.....\$319.95

#067X Power Pack (400w/s)

Recycles in 5 sec. (full/"fast"). 50, 100, 200 amd 400w/s settings Weighs 4.5 lbs. LU6060.....\$449.95

#### 2. Batteries & Chargers

#024C, #025C and #026C The batteries (with light indicator) stop charging when capacity is reached to prevent over-charging and over-heating.

#024C Mini Battery

Recharges in 5-6 hrs. 100 flashes at 200w/s. Weighs 1.5 lbs. LU5003 (C).....\$83.95

#025C Regular Battery

Recharges in 10-12 hrs., 200 flashes at 200w/s. Weighs 2.5 lbs. LU5005 .....\$146.95

**#026C Super Battery** 

Recharges in 15-18 hrs., 300 flashes at 200w/s. Weighs 3.5 lbs. LU5007 .....\$209.95

#028 Ultra Battery

Recharges in 15-18 hrs. (w/Quick Charger #017), 600 flashes at 200w/s. Weighs 6.5 lbs. LU5070 .....\$379.95

#014 Single-Trickle Charger LU5030 (D).....\$14.95

#011 Multi-Trickle Charger Charges up to 4 batteries

LU5028 .....\$60.89

#017 Quick-Trickle Charger

Quick-charges one battery (except Mini) or trickle-charges two batteries at once.

LU5034 .....\$47.95

#018 Ultra Charger-100

Automatically charges battery to 100% then shuts off the charge. LU5035 .....\$82.99

#018W Global Ultra Charger-100

Same as above plus switchable from 110 to 240 volts.

LU5036 .....\$95.49

#033 4-Battery Charge Cable Links one #018 to four batteries.

LU5037 .....\$39.95

#058X AC Power Mini Module

(Do not use w/Modeling Head). LU6052.....\$100.95

#058M AC Power Supply

For up to 3 Modeling Heads. LU6050.....\$155.95

#### 3. Flash Heads

bare-bulb flash, open flash button, 4.5' heavy-duty cable (coiled or straight) and a range of options. Snoot and diffuser included with all heads.

**Straight Cord Heads** 

#001 400w/s Standard LU5010 (A).....\$101.95 #003M 400w/s w/Modeling LU5014 .....\$145.95 #001Q 2400w/s Head LU5019 .....\$214.95

#003Q 2400w/s w/Modeling LU5022 .....\$269.95

**Coiled Cord Heads** #002 2400w/s Head

LU5012 .....\$116.95 #004 400w/s w/Modeling LU5013 .....\$159.95

#002O 2400w/s Head LU5021 .....\$224.95 #004O 2400w/s w/Modeling

LU5023.....\$279.95

Replacement Flash Tubes For 400w/s Std. Head

WI8000 .....\$26.95 For 2400w/s Std. Head

LU7007 .....\$149.95 For 2400w/s w/Modeling

LU7005 .....\$154.95 50 watt Modeling lamp LU7010 .....\$8.95

5' Extension Cord LU6004 .....\$37.29

10' Extension Cord LU6008 .....\$40.49

20' Extension Cord LU6002 .....\$51.29

Feature detachable reflector for

**Booster Modules** 

Used to increase flash output. Fit between power pack and battery.

ZX6050 .....\$429.95

#071 "Blind" Booster

Adds 200w/s to max. setting. LU6080 .....\$133.95

#072 Control Booster

(w/head outlet) Sends 100 or 200w/s to its own head or 200w/s to the power pack.

LU6085 .....\$159.95

#073 400w/s Booster LU6086 .....\$239.95

#074 Deluxe Control Booster

(w/two head outlets) Sends power to its own head(s) or sends 200 or 400w/s to the power pack. Can be stacked up to 2400w/s. LU6088 .....\$329.95

#054X High Speed Module

Cuts recycle time in half or faster. Stacking cuts times to 5 f.p.s. (50w/s), 1 sec. (400w/s). LU5060 .....\$129.95

#### Accessories

3" Head-Post w/stud LU6025 .....\$10.95 6" Head-Post w/stud LU6020 .....\$10.95 Screw-on Foot for Head LU6032 .....\$11.95 Soft Box Adapter for

Chimera/Photoflex LU7009 .....\$13.95

#039 Vehicle Power Interface LU6015 .....\$54.95

#049 Heavy-duty Pack-to-Stand

Holder LU6038 .....\$35.79

#092 Shoulder Strap LU7004 .....\$8.95

Prices and specifications are subject to change.

#### Vivitar 283 and 285HV

Thyristor® circuitry for long battery life and fast recycle time with choice of 4 f-stop settings.



#### Vivitar 283

- Automatic range to 43 ft.
- Tilting bounce head

VR4150.....\$68.89

#### Vivitar 285HV

- Automatic range to 70 ft.
- 3-position zoom head

VR4165 (A) .....\$87.95

#### Vivitar Series 1 836 AF Flash

This full-featured shoemount flash is dedicated to all Nikon AF cameras. including "D" models, all Canon EOS and all Minolta AF cameras. It offers full auto-zoom and push button zoom, with head stops at 28, 35, 50, 70



to 6.0 sec. with Alkaline batteries, 220 to 3000 flashes from four AA Alkalines, TTL capability, variable settings from full to 1/16 power, ISO range from 6 to 800 and flash durations from 1/100 to 1/30000 sec. Requires four Alkaline or NiCads.

For Nikon VR3000 .....\$189.95 For Canon VR3001 .....\$189.95 For Minolta VR3002 ......\$189.95

#### **Quantum Qflash**

The perfect companion to the popular Quantum Turbo portable power supply. Qflash outputs 150 watt-seconds of Auto, TTL, Manual, or Stroboscopic flash power, adjustable to 1/64 power in 1/3 -stop



increments. Qflash is compatible with virtually all professional TTL-metered cameras using Quantum's optional adapters. Stroboscopic mode is variable to fifty flashes per second.

For the ultimate in soft lighting the reflector can be removed, providing 360° bare bulb flash. Mounts directly to any 1/4-20 thread. Must be used with Quantum Turbo Battery packs. Qflash includes reflector, diffusor, earphones and power cord.

CU2080 .....\$339.95 Oflash with Turbo Battery Package CU2080K.....\$579.95



#### Sunpak Auto 544

#### **Auto Thyristor Flash!**

Features bounce flash, GN 140 and continuous auto-aperture range of f/2.8 to f/8 (ISO 100) and 7-stop variable power ratio system. Uses 6-AA or 510V power pack. SU4150 (B) .....\$134.95

#### Sunpak Auto 555

#### TTL Flash!

Standard

Features bounce flash, full dedication and TTL operation, GN 150 (ISO 100) and provides automatic distance range from 2.3 to 107 ft. and 7-stop auto-aperture range from f/1.4 to f/11. Accepts 6-AA or 510V pack.

SU4161 (C).....\$170.95

#### **Sunpak Dedicated Modules**

For 622 Super, 622, and 555 Require connecting cord (SU5012).

Minolta (TTL with Maxxum 7000/9000) SU5029 .....\$42.29 Canon SU5024.....\$36.89 Canon EOS SU5023.....\$44.19 Hasselblad SU4600.....\$90.99 Nikon F-3 SU5020.....\$52.59 Nikon SU5022.....\$36.89 Olympus SU5027.....\$36.89 Pentax SU5025.....\$36.89

SU5035.....\$36.89

#### Sunpak Super 622

#### The Modular Pro-System!

This versatile flash features interchangeable flash heads and power sources, plus power ratio control from full to 1/128-power, full dedication and TTL capabilities. With zoom head in telephoto position and ISO 100, GN is 270 and auto-distance range is 2.3' to 135'.

Super 622 w/Zoom Head

SU4179 (D).....\$303.95

#### **622/Super Accessories**

Zoom Head	SU5000	\$53.79
Diffused Head	SU5002	\$43.79
Ring Light Head	SU5004	\$89.49
Bare Tube Head	SU5010	\$143.95
Wide Head (cover	s 50mm w/6x6	ocm format)
SU5008		\$39.29
NiCad Battery Cli	ister (CL-3)	

SU5026.....\$97.99

QBC-6 1-hour Charger for CL-3 SU5028 .....\$96.69 Conversion Plug Adapter for 510V pack,

TR-Pak II and AD-26 AC Adapter SU5016.....\$8.70

#### Sunpak 120J AutoPro Kit

#### Bare Bulb Reflector Flash!

This shoe-mount flash features a round. removable, 2-position reflector and a swivel head for efficient and flexible lighting. Includes TR-Pak IIa rechargeable battery pack for 1.5 sec. recycling and 200 flashes per charge at full power manual. Requires dedicated module. SU4190 .....\$307.95

120J TTL (same as AutoPro - plus TTL and autofocus.) Requires dedicated module. SU4200 .....\$349.95

Metal Shoe for 120J AutoPro

SU4191.....\$10.09

Accessory	544	555	622/Super	Item Number	Price
622 Dedicated Remote Cord (will accept any Sunpak Module)*	2000 May 2	Χ	X	SU5012	\$46.49
Auto Slave	X	Х	Х	SU4410	\$32.49
Powerpak for 510V Battery	X	X	Х	SU4505	\$110.95
NC-510 NiCad for 510V Pak	X	Х	Х	SU4510	\$117.95
AD-26 AC Adapter	X	X	X	SU4585	\$40.09
6x6 Quick Release Bracket for Basic Grip	X	X	X	SU4820	\$35.29
2' PC Cord	X	4633 4-B		SU4736	\$7.55
5' PC Cord	SU4730	SU4735	SU4735	H THE SALE	\$9.40
CL-2 NiCad Cluster	X	X		SU4535	\$44.59
3' PC Extension Cord	X	X	Х	SU5070	\$9.00
10' PC Extension Cord	X	X		SU5075	\$9.70
15' PC Extension Cord	X	Х	Х	SU5080	\$11.09
Bounce Kit	Х	X	Х	SU5018	\$31.49
CHG-20 Charger for TR-Pak II	Х	Х	Х	SU4513	\$38.59
QBC-5 Charger for NC-510	X	Х	Х	SU4521	\$36.99

#### METZ

#### Metz 45 CL/CT Series Flash

These powerful hand-held flashes feature auto-thyristor, recycle times from .3 to 13 sec., full bounce control, and a choice of alkaline or NiCad batteries. All models include W/A adapter, PC cord and quick release bracket. For specs, see chart below.

#### Metz 45 CL-1 Flash

Features single flash head and easy-to-read analog control display.

MZ1090.....\$219.95

Metz 45 CL-1 w/NiCad Battery MZ1025.....\$259.95

#### Metz 45 CL-3 "TTL" Flash

Single flash head, easy-to-read analog display and SCA 300 system dedication. MZ1022 .....\$279.95

Metz 45 CL-3 w/NiCad Battery MZ1023.....\$329.95

#### Metz 45 CL-4 "TTL" Flash

Dual flash heads for bounce and fill, easy-toread analog display and SCA 300 dedication. MZ1085 (A) ......\$329.95

Metz 45 CL-4 w/NiCad Battery MZ1070.....\$369.95

Metz 32MZ-3 "TTL" Flash MZ1081.....\$159.95

Metz 40MZ-2 "TTL" Flash MZ1082.....\$357.95



#### **Metz 60 CT Series Flash**

These super-powerful pro flashes boast recycle times from .2-5 sec., full bounce control, auto-thyristor, and as many as 4,500 flashes per charge with dryfit battery packs.

All models include battery pack, charger, power cord, strap, PC cord and quick release bracket. For specs, see chart below.

#### Metz 60 CT-1 with Dryfit Battery

Single flash head and analog control display. MZ1051 .....\$499.95 Metz 60 CT-1 with NiCad Battery

MZ1045.....\$519.95

Metz 60 CT-4 with Dryfit Battery Features two flash heads, LED display and

SCA 300 system dedication. MZ1054 (B) .....\$629.95

Metz 60 CT-4 with NiCad Battery

MZ1048.....\$644.95



Adapt your Metz for automatic flash exposure with your TTL camera. Simply select the SCA System adapter and module designed for your camera.

#### SCA 300 System Adapter

For 45 CL-3, 45 CL-4, and 60 CT-4. Requires dedicated camera module.

MZ2500.....\$26.95

#### **SCA 300 System Camera Modules**

For Minolta i Series MZ2017.....\$89.95

For Canon A and T Series MZ2027.....\$44.95

For Canon EOS Series

MZ2050.....\$94.95 For Nikon FA and FE Series

MZ2150.....\$39.95 For Nikon AF Series MZ2060.....\$94.95

Other modules available, call for details.

SCA 300 4.5' Coiled Extension Cord MZ2161.....\$37.95

**SCA 500 System Dedicated Adapters** 

For use with 45 CT-5 and 60 CT-2 flash units. For Nikon F3 MZ3021 ....\$66.95

#### Metz 45/60 Dedicated Accessories

NiCad Battery for 60 MZ1150.....\$109.95 NiCad Battery for 45 MZ1115......\$59.95 NiCad Cluster and Charger for 45 Series AA Battery Holder for 45 Series

Heavy Duty NiCad Power Pack for 45 Up to 4500 flashes. Requires MZ1120. MZ1143.....\$149.95 NiCad Charger for 45 or 60-Series MZ1120.....\$38.79 Reflex Screen MZ1340.....\$49.95

#### **Metz PC Cords**

#### Standard PC Cords

32 CT-2,3 and 36 CT-2,3 MZ5135 .....\$8.50 45 CT-3,4 and 60 CT-4 MZ3082 .....\$9.95 45 CT-1 MZ3095 .....\$9.95 45 CT-5 and 60 CT-1,2 MZ3105 ...\$14.99

#### 3' Coiled PC Cords

45 CT-1 MZ3050 ...\$14.95 45 CT-1,3,4 and 60 CT-4 MZ2550 ...\$14.95 45 CT-5 and 60 CT-1.2 MZ3060 ...\$14.95

#### 3' Straight PC Cords

45 CT-1 MZ3055 ...\$10.99 45 CT-3,4 and 60 CT-4 MZ2530 ...\$10.95 45 CT-5 and 60 CT-1,2 MZ3065 ...\$10.99

15' PC Extension Cord

MZ3075.....\$16.99

#### Dryfit Battery for 60 MZ1145.....\$64.99

MZ1110.....\$79.95

MZ1125.....\$23.95

	45CL-1	45CL-3	45CL-4	60CT-1	60CT-4
Guide No.	148	148	148	197	197
Auto Apertures	5 f2.8-f11	6 f2.8-f16	6 f2.8-f16	6 f2-f11	8 f2-f22
Auto Range	1.5-53'	Up to 175'	Up to 175'	1-99'	Up to 200'
Weight	24 oz.	25 oz.	25 oz.	22 oz.	26 oz.
Manual Apertures	1	3	3	1	9
Ni-Cad Battery (No. of Flashes)	<b>MZ1115</b> 50-2000	<b>MZ1115</b> 50-2000	<b>MZ1115</b> 50 – 2000	MZ1150 50-2000	MZ1150 50-2000
Dryfit Battery (No. of Flashes)				MZ1145 180-4500	MZ1145 180-4500
AA Batt. (No. of Flashes)	120-2600	140-3600	120-2600	with the second	
Handle Power Pack (No. of Flashes)	MZ1143 180-4500	<b>MZ1143</b> 180-4500	<b>MZ1143</b> 180-4500	- 13834 - CL3	<u>-</u>



nlike alkalines and NiCads, Quantum rechargeable batteries offer dependable, economical and highperformance power. They provide many more full-power flashes and recycling times at least three times faster. Because they have no "memory," Quantum batteries can be recharged to full capacity at any time, without battery damage. Choose from a full selection of accessories to fit your shooting needs.

#### **Turbo Battery**

#### Lightning-fast Recycling!

Choose between high-efficiency and high-speed operation! "Fast" mode recycles a GN 110-rated flash unit in 2 seconds and provides 450 full-power flashes. "Ultra-Fast" cuts recycling to 1 second with 350 flashes. "Autoflash" recycling drops to fractions of seconds for thousands of flashes! Also features Power Level Monitor and Charging Indicator. Measures 6¾" or 4" x 1¾"and weighs 38 oz. Designed for 6 or 9V flash units and includes a belt clip. (Requires flash cable.) CU2100 (A) .....\$269.95

#### Turbo Battery Accessories

Turbo Battery Accessories
CK Cable for Nikon SB-24/25 <b>CU2106\$31.09</b>
CZ Cable for Canon 430EZ CU2107\$31.09
CM-1 Cable for Metz 45CT-1/5 CU2105\$31.09
CM-4 Cable for Metz 45CT-3/4 CU2110\$31.09
CS5 Cable for Sunpak 611/522/544/555/411
CU2112\$31.09
CS6 Cable for Sunpak 622 CU2115\$45.95
CV Cable for Vivitar 283/285HV CU2102\$28.99
QT46 Vehicle Charger <b>CU2146\$69.99</b>
QT47 Fast Charger (2½ hrs.) CU2147\$92.99
QT48 Dual Connector For powering two flashes CU2120\$59.09
QT49 10' Extension Cable <b>CU2149\$38.49</b>

#### **Quantum Battery Performance Chart**

	Volts	Flashes/ Charge	Recycle Time	Flash Unit Used
Turbo	6/9	350 265	1 sec. 1.5 sec.	Vivitar 283 Metz 45CT
Bantam	6	210	2.5 sec.	Vivitar 285
Battery 1+	6	250	3.5 sec.	Vivitar 283
Battery 2	9	325	2.8 sec.	Sunpak 522
QB-20	12	270	3.2 sec.	Norman 200 B



#### **Bantam Battery**

#### Say Goodbye to Alkalines!

This rechargeable battery for most shoe-mount flashes gives you the convenience of power level monitoring, more flashes per charge and faster recycling. Lead cell can be recharged at any time, without short-charge memory. (Reg. power module.) CU3000 (C) .....\$84.99

C 0 3 0 0 0 (C)
Bantam Power Modules
XA2 Module for Vivitar
283/285HV (Locking)
CU30100\$28.99
XE Module for Metz 32CT/36CT
CU3060\$28.99
XF2 Module for Nikon SB-21
(Locking)
CU30300\$28.99
XKE Module for Nikon SB-24/25
(Locking)
CU3070\$35.99
Xi Module for Minolta 3200i
CU3035\$28.99
XZ2 Module for Canon
420EZ/430EZ (Locking)
CU30500\$30.99
Energy Saver 1 for Vivitar
285HV, Metz 45CL and 45CT3,

and Hasselblad 4504 flash.

CU2150.....\$5.00

Energy Saver 2 for Canon 430EZ, Nikon SB24 and SB25 flash units.

CU2151.....\$5.00

#### **Battery 1+**

Six-volt unit with low battery cutoff, charge complete indicator and electronic circuit breaker. Requires power module.

CU2003 (D) .....\$139.95

#### **Battery 1 Power Modules** MA2 Module for Vivitar 283/285-

HV (Locking) CU20100.....\$39.99

MKE Module for Nikon SB-24/25 (Locking)

CU20155 .....\$44.29

MB2 Module Minolta 4000AF

(Locking) CU20177 .....\$39.99

Mi Module for Minolta 3200i

CU2021 .....\$44.29 ME Module for Metz 32 CT/36 CT

CU2019.....\$39.99 MZ2 Module for Canon

420EZ/430EZ (Locking) CU20192.....\$44.29

**Extension Cables & Chargers** 

QB22 10' Extension for Modules CU2031 .....\$29.99

QB34 Fast Charger (2½ hr.)

CU2045 .....\$92.99 QB35 Vehicle Charger

CU2055 .....\$69.99

#### **Battery 2**

For 9 volt portable flash systems. For use with Metz and Sunpak 522, 544, 555. Dimensions: 5½" x 3" x 1¾".

Requires power module. CU2002 (B).....\$179.95

# **Battery 2 Modules & Chargers**

MM Module for Metz 45 CU2012.....\$42.99

MS Module for Sunpak 522, 544, 555

CU2013.....\$42.99 OB23 10' Extension

CU2032.....\$32.99 QB37 Fast Charger (2½ hrs.)

CU2065.....\$92.99 QB36 Vehicle Charger

CU2075 .....\$69.99

Prices are subject to change.



#### **Quantum Radio Slave 4**

#### With 4-channel capacity!

Allows four photographers to work without triggering each other, or one photographer to choreograph complex lighting sequences and fire them from one spot. Similar to the Radio Slave 2, but with twice the capacity, and both units are compatible on channels 1 and 2. Includes transmitter, receiver, cords and gaffer straps. Accepts twin-blade sync cords.

GV3020 \$249.95

PocketWizard NE
Digital Radio Slave

# Digitally-coded trigger signal eliminates annoying misfires

Fire your off-camera flash from up to 500' away with this remote sync system (up to 350' in heavy radio traffic). PocketWizard uses a 16-bit digitally-coded trigger signal so you won't be tripped up by police radios, cell phones, or other devices that cause regular radio slaves to misfire.

Maintains consistent sync speed and range, even when AA batteries fade, or when temp drops. Sync can be fast (to 1/250) or slow (to 1/60).

#### PocketWizard Radio Control Kit

#### **Cords and Adapters**

Miniphone to 1/4" (phono) 16"
FW1075 .......\$20.00
Miniphone to Houshold 16"
FW1060 ......\$20.00
Turbofilter Adapter
FW1105 .....\$60.00

We carry an assortment of PocketWizard Cords, call if you don't see the one you need.



#### General Purpose Flash Slaves

#### Calumet Universal Flash Slave

This double-bladed slave unit features clear, tough epoxy housing which not only protects the unit against inclement temperatures, humidity and air pressure extremes, but also acts as a super-efficient light collector—including bounce light!

Its sensitivity range is rated up to 150 feet, even with bounced light. Simply plug the Universal Flash Slave into any flash unit with a double-bladed household receptacle and turn your flash unit on for convenient operation. CG1000 (A) \$29.99

Adaptors for Wein Slaves PC-H CG1770 (B) ....\$18.49 PA CG2600 ......\$23.49

#### Wein HS & HS-XL

Features built in hot shoe, PC connector and  $\frac{1}{4}$ -20 threaded base for tripod mounting.

HS — 150' sensitivity CG2500 (C) ......\$36.99 HS-XL — 600' sensitivity CG2510 .....\$92.99

#### Wein SSL/SSL-E Ultra Slaves

- Range of over 1/2 mile
- No line-of-sight required
- No batteries required
- Not affected by ambient light
- Non-polarized for use with ALL power packs
- Built-in PC connections

SSL Ultra Slave with parallel blades

CG1500 (D) ......\$92.99 SSL-E Ultra Slave with

monoplug connector **CG1512** (E) ......**\$106.95** 

#### Wein Infrared Remote SSR Kit

This long distance, infrared, remote sync features a 600' range, a batteryless SSL receiver, around-corner activation and synchronization up to 1/400 th sec. CG1700......\$207.95

Extra Transmitter for WP-SSR CG1750.....\$115.95

Wein Infrared Remote SSR Jr. Kit Same receiver as SSR, but with a mini receiver and 100' range.

CG1710 (F).....\$161.95

#### Wein Peanut & Peanut-XL

These small slaves plug directly into Vivitar 283 and 285 flashes, yet are completely universal via PC hook-up and are batteryless.

Peanut — 100' sensitivity CG1200.....\$18.49
Peanut 3-pack

CG1203 (G) .......\$50.99

Peanut-XL — 300' sensitivity **CG1740......\$36.99** 



#### Master AC Slave Flash

Features battery-powered triggering device and PC outlet, open flash button, built-in slave trigger and a ¼ -20 tripod socket. Supplied with 4' sync/PC cord. Requires PX-28 battery.

#### **AC Slave II Flash**

Screws into any standard socket using 110 AC current. Triggers as slave — no PC outlet.

TB1200 .....\$44.19

TB1205 .....\$58.49



#### Mini Slave

Features built-in slave sensor and two-second recycle time. Its tiny size, .7" x 2.4" x 2.4", makes it extremely portable. *Requires two AAA batteries*.

TB1305 .....\$29.39





#### AC Slave Specialist Flash

Five settings from full to ½6 power. Guide Number of 110 at ISO 100, recycling from 0.3 to 4 sec., separate modeling light and AC switches. ½ -20 mounting socket. AC cord and PC cords included.

Requires PX-28 battery. **TB1210 ......\$299.95** 



#### Photoflex On-Camera XTC II

The On-camera XTC II is a mini-softbox designed exclusively for portable flash units so that photographers can achieve studio-like lighting conveniently. It helps to eliminate hot spots, soften harsh shadows and increase color saturation. The XTC II features UV absorption which allows you to reach truer color balance for both transparencies and prints.

It inflates to 6x8" with a single breath in seconds and quickly attaches and secures to your camera and flash with Velcro tabs. In addition, the unique contour of the bottom of the softbox gives you full usage of your flash's automatic exposure sensor. Regular fits small units (e.g. Vivitar 285 or Nikon SB24, etc.). Large fits larger units (e.g. Metz or Sunpak 522, etc.).

Regular XTC II	
LT7040 (A)	\$21.69
Large XTC II	
LT7045	\$21.69



#### **Westcott Mini-Apollo Light Modifier**

The Mini-Apollo produces both indirect and direct lighting effects and offers exacting control. The 16x16" front flat white panel secures with Velcro on 3 sides to the black rip-stop nylon exterior. For use with battery powered strobes. Includes mounting bracket to attach it to a strobe without backing plate or speed ring. Weighs less than ½ lb. HL0990 (B) .....\$59.99

#### Photoflex Extra Small Litedome

This on-camera soft box produces soft, even light from battery powered flash units. Ideal for location and studio shots, it features a 12x16" translucent white front panel with a silver interior for greater light efficiency. Includes strobe connector which enables you to attach light stands, booms or flash bracket. Requires dedicated flash mounting hardware. LT0805.....\$59.69

#### **Extra Small Litedome Flash Mounts**

Lumedyne	LT4030\$15.19
Norman 200B	LT4040\$15.19
Shoe Mount	LT4050\$15.19
38-45mm Rnd. Handle	LT4160\$15.19
Metz Handle	LT4180\$15.19



#### Chimera Mini/Max Lightbanks

For soft, even illumination, the portable Chimera Mini/Max goes on location for wedding or portraiture assignments, or in the studio for small format work. Mini (12" x 16") and Max (16" x 22") front screens are made of translucent white diffusion material. The lightbanks are made with black rip-stop nylon exteriors with white or silver interiors.

Mini/Max units can transform harsh light into soft even illumination that wraps around your subject without shadows. Compact and lightweight, these lightbanks adapt to either shoe or handle-mount portable strobes. Requires speed ring to attach to flash head (see below) and a flash bracket of your choice.

White Mini CH1180	\$63.49
****	
Silver Mini <b>CH1196</b>	\$69.95
Silver Max CH1198	\$94.99

#### Speed Ring Adapters for On-Camera Flash

For Large Shoe Mount Flash	
(e.g. Vivitar 283) CH1421	\$42.79
Universal Handle Mount CH1427	\$33.29
For Metz 60CT4 Flash CH1435	\$46.95
For Norman 200B Flash/LH2 CH1424	\$23.29

CH1425 ......\$51.69

Call 1-800-CALUMET for other speed ring adapters available.

For Lumedyne Flash

#### **LumiQuest Flash Accessories**

This unique line of light control accessories was designed with the Vivitar 283 and 285 in mind.

#### **LumiQuest Pocket Bouncer**

Redirects light at a 90° angle with only 11/3-stop light loss.

LQ1000 .....\$20.69

#### **LumiQuest Soft Box**

Diffuses the light with strobe in direct flash position.  $1\frac{1}{4}$  - stops light loss.

LO2010 .....\$29.99

#### LumiQuest 80-20

Redirects 20% "fill" light at a 90° angle and allows 80% to bounce off of ceiling.

LQ1010.....\$18.95

#### LumiQuest Ultrasoft

Frosted diffuser softens the 90° redirected light. 21/3-stop light loss.

LQ1020.....\$22.99

#### **LumiQuest Big Bounce**

This over-sized Ultrasoft produces a softer light. 3-stop light loss.

LQ1030 .....\$31.69

#### **LumiQuest Reflecta-Bounce**

With silver and gold insert. 11/3-stop light loss. LQ1005 .....\$29.99

#### LumiQuest Pro Pak

Includes Pocket Bouncer, 80-20, Ultrasoft, metallic inserts and belt pouch.

LQ2000 .....\$69.95

#### Micro Apollo Light **Modifier**

Fits all portable bounce flashes for soft, even, diffused lighting. Features 5" x 8" front panel. Includes mounting hardware. Works with manual, automatic and TTL units.



Prices are subject to change without notice.

#### ROB



troboframe offers a complete system of flash brackets for professional candid photography. No matter what type of 35mm or medium format camera you own - no matter what kind of on-camera flash you use no matter what your special requirements are, Stroboframe has the flash bracket and accessories to fit your needs.

#### LP Macro Flash Bracket

For use of flash with close-up photography. Fits 35mm (with and without motor drives) or medium format cameras, and shoe-mount flash units. Includes one flash mounting block. SO7500 .....\$104.95

LP Macro Flash Mounting Block (for mounting a second flash) SO7502 .....\$34.29

#### Lepp II Dual Flash Macro Bracket

Dual flash holders mounted on extension rods and base allow you to achieve precise lighting effects and ratios in extreme close-up situations.

SO7510 .....\$79.99

#### Flash Quick Release

Quickly mounts and dismounts any flash unit from Stroboframe flash brackets. Accepts Stroboframe shoe and handletype flash mounts. Features a spring-loaded lock that clicks securely ontoflash arm. Fits directly to RL 2000, SQ 2000, R4b and R66b. SO7636 .....\$26.29

#### R4b

The R4b features the Rotary-Link platform for switching your camera between horizontal and vertical. They also have a center palm grip. The R4b is a free standing model. Includes cable release.

Mount
\$95.79
<b>M</b> ount
\$84.29

#### **Róób Bracket**

A fixed platform for 2 1/4" square format cameras which don't require the rotation mechanism. Accepts all Stroboframe adapters and accessories. Includes cable release

R66b w/4"-20 Flash Mount 507008 \$50 90

507098\$59.85
•••••
Stroboframe General Accessories
Shoe Flash Mount <b>SO7613</b> \$11.89
Handle Flash Mount <b>SO7614</b> \$14.09
Metz Quick Release Shoe SO7063\$18.39
Universal Flash Mounting Arm SO7059\$12.29
Accessory Shoe <b>SO7012</b> \$8.95
Off-Center Tripod Adapter

SO7014 .....\$12.99

#### RL/c Flash Bracket

RL/c (Rotary-Link/compact) allows vertical-horizontal camera rotation under the flash. This model does not have palm grip. Includes cable release.

SO7028\$	84.49
RL/c w/¼"-20 Flash Mount <b>SO7027</b> \$	75.99
RL/c Extension Arm SO7034\$	11.99

#### StroboFlip VH 2000 Bracket

RL/c w/Shoe Flash Mount

This pivoting flash arm keeps flash directly above lens. Its 35mm Anti-twist Plate securely locks camera in place. Includes shoe flash mount and accepts other mounts.

SO7612.....\$56.29

#### Quick Flip Flash Brackets (A)

Features a pivoting flash arm to keep flash over the lens in both horizontal and vertical. Flash window stays parallel to the film format for wider flash coverage. Ouick Flip 350

SO7050	\$44.89
Quick Flip 120	
SO7051	\$48.99
Universal Bounce Flash	Adapter
for Quick Flip	_
SO7053	\$11.95



#### System 2000

#### **RL 2000 Bracket**

For instant horizontal-to-vertical flash rotation! Features threeposition tilting flash arm, compact design for fast setup/breakdown, and comfortable side and palm grips. Includes cable release.

RL 2000 w/Shoe Flas	sh Mount
SO7602 (B)	\$91.99
RL 2000 w/Metz Flash	Mount
SO7603	\$113.95
RL 2000 w/4"-20 Fla	sh Mount
SO7604	\$96.59

#### SQ 2000 Bracket

Features all the conveniences of the RL 2000, but with a fixedbase, non-rotating bracket for square format and rotating back cameras.

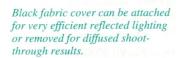
Shoe Flash Mount
4"-20 Flash Mount <b>\$85.19</b>

#### System 2000 Anti-twist Plates Anti-twist Plate for Mamiya SO7618 .....\$11.99 Anti-twist Plate for Hasselblad

SO7626	
Anti-twist Plate for N SO7627	
Anti-twist Plate for 3.	5mm

#### UMBRELLAS





#### **Calumet Soft Bounce Umbrellas**

#### With Covered-Rib Design!

These unique umbrellas feature white, satin-textured reflective fabric which is positioned under the rib structure, removing the ribs from the path of light and eliminating their ghost image on the subject.

A removable black fabric cover fastens easily over the rib structure to confine any light that might penetrate the white fabric. This eliminates the chances of any bounce light picking up unwanted wall or floor colors and contaminating the color balance of the subject.

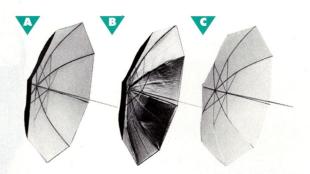
For high key lighting the cover can be removed to allow light (appx. 25%) to pass through and bounce around studio. Includes velcro closing strap and sleeve.

#### 45" Soft Bounce Umbrella

An excellent general purpose umbrella, the 45" Soft Bounce measures 42" across, 7½" deep, 49" across top, 28" long (closed) and has a ½6" diameter shaft.

AU3050......\$24.99

Prices are subject to change.



# Calumet 40" White/Silver Umbrella

Creates softer, yet highly efficient reflected light. Its translucent white interior with silver backing, and black exterior makes this 8-sided umbrella an excellent choice. Measures 41" across, 9½" deep and 47" across top. Closed length: 27". %6" diameter shaft.

CE1817 (A).....\$79.99

# Calumet 40" Silver Parabolic Umbrella

Produces highly efficient and more directional reflected light, this 8-sided double-layer umbrella features a Mylar silver interior with black exterior. Measures 42" across, 8½" deep and 47" over top. Closed length: 27". 36" diameter shaft.

CE1815 (B) .....\$59.99

# Calumet 40" White Parabolic Umbrella

The choice umbrella for shoot-through or reflected lighting applications. This 8-sided umbrella features soft white, single-layer fabric. Measures 41½" across, 9" deep and 46½" over top. Closed length: 27". \( \frac{1}{2} \) 6" diameter shaft.

CE1816 (C).....\$49.99



#### Calumet Swivel Umbrella Adapter

This universal umbrella mount makes it possible to use an umbrella with most any flash head and light stand combination. The swivel umbrella adapter provides a 5/8" female mount both top and bottom, plus one adapter with 1/4-20 and 3/8" male threads and one with 1/4-20 and 3/8" female threads, and a locking receptacle that will hold umbrella shafts up to nearly 1/2" (12mm) diameter. Locking swivel joint above the stand mount allows head and umbrella up to 90° tilt. MF3420 (F) .....\$19.99





#### Light and Umbrella Mount Clamp

Mounts umbrella to any light stand or tripod up to 2" in diameter. Spring-loaded umbrella clamp makes repositioning easy.

BY1000 (E) ......\$24.95

#### Umbrella Shoe-mount Clamp

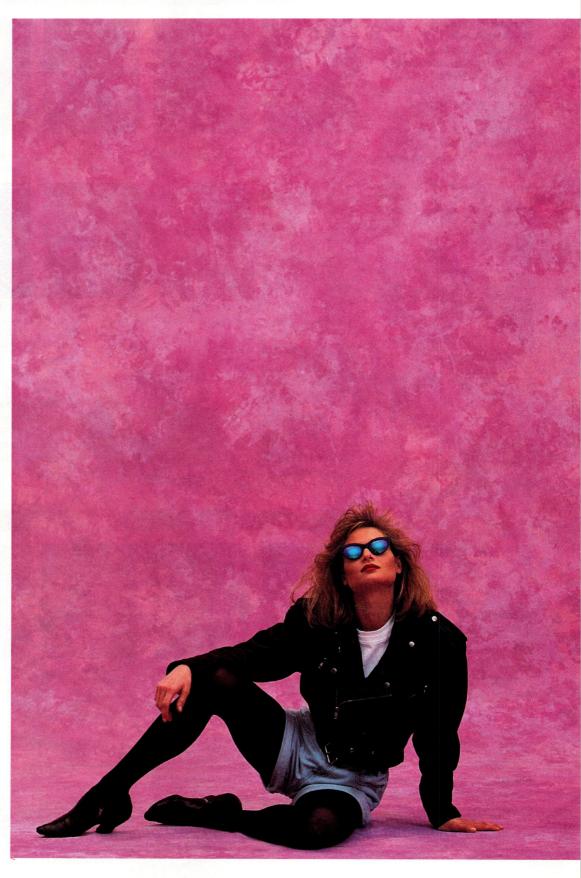
With two shoe mounts, 3/8" umbrella receptacle and 1/4-20 mounts at both ends.

BY1010 (G) .....\$24.95

# Calumet Muslin Originals®

#### Designed Exclusively for Calumet by James Bright Fine Art Backgrounds

These fine custom backgrounds are created individually using progressive techniques and unique processes. Each background is distinctly original with carefully hand-layered patterns, dramatic textures and exciting color changes throughout the entire muslin. Muslin Original @ Backdrops are available in a variety of styles, sizes and colors to serve the wide expanse and diverse creative needs of our customers. All are made of an extremely durable 60/40 (cotton/poly) blend muslin which is resistant to cracking, tearing, and deterioration associated with painted cotton. Muslins are extra stiff at first, which makes them controllable and shapable. Over time they break-in like a good pair of blue jeans. We recommend that they be wadded up (yes, wadded up) in a duffel bag or on a shelf. This technique gives our backgrounds even more depth and lighting possibilities.



#### **Premium Muslin Backgrounds**

Our "Premium Muslins" are reversible, with a distinct, hard pattern on one side, and soft, versatile, blended colors on the other. Each has received a series of handsteps (up to two more steps than Standard Muslins) to achieve its unique color build-up and patterns, beginning with broad, large patterns and finishing up with smaller, more defined patterns or textures.

10 x 12' \$289.95	10 x 22' \$399.95	
MU4020	MU5020	
MU4030	MU5030	
MU4040	MU5040	
MU4060	MU5060	
MU4070	MU5070	
MU4090	MU5090	
MU4110	MU5110	
MU4120	MU5120	
MU4130	MU5130	
MU4140	MU5140	
MU4150	MU5150	
	\$289.95 MU4020 MU4030 MU4040 MU4060 MU4070 MU4090 MU4110 MU4120 MU4130 MU4140	

#### PREMIUM



Mystic Marble (royal blue, light blue, mauve w/bronze)



Mona Loa (medium grey w/silver)



Gypsy (dark grey w/rust & silver)



**Twilight** (pastel purples w/mulberry & silver)



Kashmire (coral, tan, brown w/pearl)



Potpourri (peach, tan, mauve w/pearl)



Whisper (greys, pearl & silver)



Heather (greys, orchid, green, gold & copper)



Moonstone (blues, cranberry, charcoal, scarlet, gold, copper & pearl)



**Babysbreath** (pink, pale yellow, orchid, blue & white)



Melody (blues, greens, pinks, creams & gold)



Travel Bag

Protect your background while not in use with this 25 x 13 x 12" Travel Bag. Made of heavy-duty nylon, with reinforced seams, webbed handle, removable shoulder strap and external pockets.

MU0900 .....\$29.95

#### Standard Muslin Backgrounds

Our "Standard Muslins" receive a three-tone mottling process, comprised of paint and dye. These unique and durable backdrops are reversible, with a similar pattern on both sides.

Colors	10 x 12' \$189.95	10 x 22' \$249.95	
Azure	MU1010	MU2010	
Crystal Marble	MU1020	MU2020	
Marble Knights	MU1130	MU2030	
Kristin	MU1140	MU2040	
Coral Shell	MU1150	MU2050	
Renaissance	MU1160	MU2060	
Opal Stone	MU1170	MU2070	

#### Note:

While every effort was made to ensure accurate color reproduction of the products shown here, some variances may exist.





Azure (3 mottled blues w/mauve)



Crystal Marble (3 cool medium greys)



STANDARD

Marble Knights (3 cool dark greys)



Kristin (blue, pink & white)



**Coral Shell** (medium greys, coral & blue)



Renaissance (browns & dark greens)



**Opal Stone** (pale pink, fleshtones & pearl)





# While every effort was made to ensure accurate color reproduction of the product shown here, some variances may exist!

#### Tote-a-Round Muslin Background System

These portable muslin backgrounds do *not* require any supporting hardware or stands . . . just a wall to lean against.

Each Tote-a-Round is a self-contained background system consisting of a high-quality, lightweight muslin mounted in a collapsible steel-metal frame which opens to support an impressive 8 x 8' background with an attached dyed-to-match 8 x 7' apron — perfect for full-length portraits or product sweeps.

Muslins are hand-painted and dyed to create a rich layered look that is both simple and complex.

Extremely portable, each Tote-a-Round Muslin Background System weighs only 6½ lbs. and, when collapsed, fits into its own 36" diameter protective tote-bag.

Colors	\$299.95
Desert Spring	MP1062
Evergreen	MP1063
Espresso	MP1066
Purple Haze	MP1065
Slate	MP1041
Smoke	MP1047
Summer Sky	MP1046
Morning Dove	MP1060
Red Granite	MP1048
Belize Blue	MP1069

#### **Muslin Sheets**

These hand-dyed muslin backgrounds are the perfect match for Tote-A-Round Backgrounds. They're usable on both sides and can be draped, hung, gathered or cinched under, over, behind or around products or props.

Colors	10' x 10' \$99.99	10' x 20' \$169.95
Desert Spring	MP2062	MP3062
Evergreen	MP2063	MP3063
Espresso	MP2066	MP3066
Purple Haze	MP2065	MP3065
Slate	MP2041	MP3041
Smoke	MP2047	MP3047
Summer Sky	MP2046	MP3046
Morning Dove	MP2060	MP3060
Red Granite	MP2048	MP3048
Belize Blue	MP2069	MP3069

#### **Muslin Sheet Travel Bag**

# Calumet Tote-a-Round Muslins











**Desert Spring** (beige, periwinkle blue w/pink tones)



Evergreen (dark green, light green & periwinkle blue)



**Espresso** (deep brown, beige, gray & green)



Purple Haze (dark lavender, blue-green & beige)



(dark gray, blue, & light gray)



Smoke (medium grey, light gray & white)



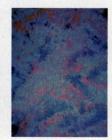
Summer Sky (medium blue, white & light gray)



Morning Dove (light pastel lavender, yellow & green-blue)



Red Granite (medium rust, mauve & dark green)



**Belize Blue** (medium navy blue, light blue & pink)

# Calumet Background Paper by Savage



140" x 100 ft. \$159.95

SG0514

SG0500

SG0516

SG0518

Flame Resistant

107" x 12 yds. \$34.95

SG1161

SG1162

Color

Super White*

Pursuit Gray

Blue Jay

Color

Black

Super White³

Calumet Background Paper has a high quality, fine tooth non-reflecting surface that enhances your photography. Just add a background stand, and these rolls instantly become sweeps. And to sweep you off of your feet, we've got 44 exciting and unique colors in a variety of widths to choose from!

#### Packaged for your Satisfaction

We make an extra effort to make sure your Background Paper arrives safely at your door. For this reason, each 107" and 140" wide background paper listed on this page is wound on a tough, rigid core for extra support. In addition, Calumet Background Paper is wrapped in a plastic sleeve to trap out moisture and dirt then packed in a sturdy individual tube or carton for maximum protection during shipping. Note: Both 53" and 107" wide rolls are U.P.S. shippable.

#### Flame Resistant vs. Non-Flame Resistant

107" x 12 yard rolls of Black and Super White are available in flame resistant and non-flame resistant versions. The flame resistant version is chemically treated, according to standard testing, making it resistant to fire. This does not mean that it will not burn in normal fire situations. However, if your job requires flame resistant materials to adhere to specific building codes, these are a great solution.

Color	53" x 12 yds. \$17.99	107" x 12 yds \$32.95
Red Rock	SG0055	SG1157
Redwood	SG0032	SG1107
Deep Red	SG0072	SG1072
Red	SG0074	SG1074
Orchid	SG0030	SG1129
Tulip	SG0070	SG1137
Pink	SG0014	SG1103
Peach	SG0082	SG1182
Orange	SG0029	SG1124
Black	SG0008	SG1120
Thunder Gray	SG0094	SG1094
Oxford Gray	SG0042	SG1127
Dove Gray	SG0096	SG1096
Pursuit Gray	SG0098	SG1098
Slate Gray	SG0026	SG1126
Neutral Gray	SG0100	SG1100
Studio Gray	SG0039	SG1112
Light Gray	SG0025	SG1132
Pongee	SG0007	SG1125
Natural	SG0084	SG1084
New Wheat	SG0067	SG1121
Super White*	SG0041	SG1101
Deep Green	SG0018	SG1118
Mint	SG0022	SG1135
Green	SG0076	SG1076
Light Green	SG0046	SG1146
Brown	SG0013	SG1116
Stone	SG0051	SG1153
Autumn	SG0002	SG1141

Color	53" x 12 yds. \$17.99	107" x 12 yds. \$32.95
Yellow	SG0080	SG1180
Deep Yellow	SG0009	SG1138
Yellow-Orange	SG0005	SG1113
Sand	SG0035	SG1104
Creme	SG0049	SG1151
Deep Blue	SG0065	SG1105
Gulf Blue	SG0021	SG1130
Regal Blue	SG0086	SG1086
Studio Blue	SG0058	SG1158
Blue Jay	SG0000	SG1131
Misti Blue	SG0090	SG1090
Lite Blue	SG0092	SG1092
Sky Blue	SG0037	SG1102
Baby Blue	SG0047	SG1147
	\$17.99	\$27.99
White	SG0016	SG1150

*Recommended for b&w photography only.





Mint, Orchid, Redwood and Studio Blue shown.

1-800-CALUMET (C) 1-800-225-8638

# Calumet's Exclusive Color Selection

product shown here, some variances may exist! Red Rock Redwood Deep Red Red Orchid Tulip Pink Peach Orange Black Thunder Gray Oxford Gray Dove Gray Pursuit Gray Slate Neutral Gray Light Gray Studio Gray Pongee New Wheat Super White Deep Green Natural White Mint Light Green Brown Stone Green Deep Yellow Yellow-Orange Autumn Yellow Sand Regal Blue Gulf Blue Studio Blue Deep Blue Creme

Note: While every effort was made to ensure accurate color reproduction of the products shown here, some variances may exist.

Misti Blue

Blue Jay

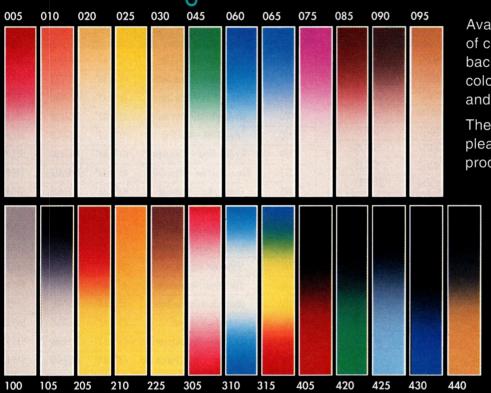
Lite Blue

Sky Blue

Baby Blue

# You can SPECIAL with a Pro-Kalt Tint-Foto background

# Graduated Backgrounds

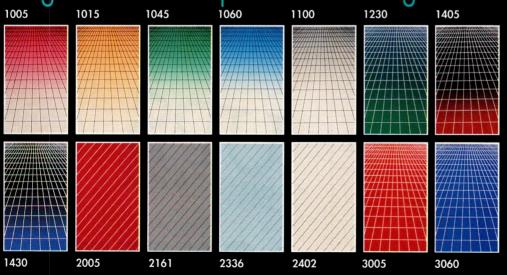


Available in a wide spectrum of colors, Tint-Foto® graduated backgrounds are available in color to white, color to black and color to color.

These backgrounds add a pleasing artificial horizon to product and portrait photos.

All come in a 43x63" size, and the most popular backgrounds (005, 025, 030, 045, 060, 065, 085, 090, 100 and 105) are also available in 31x43" and 78x118".

# Diagonal Line & Perspective Grid Backgrounds



These 43x63" backgrounds add a hi-tech look to product photos.

They are available in both graduated and solid background colors with black, white or colored lines. Besides the patterns shown at left, 1315 (red, yellow, blue graduate with white grid), 4060 (sky blue to white with diagonal black lines, and 2060 (solid blue with diagonal white lines), not pictured are also available.

# Tint-Foto®

# backgrounds

Manufacturer Part Number	Graduated Background Color	Size	ltem Number	Price
005-A	Red/White	31" x 43"	TN0051	\$19.95
005-В	Red/White	43" x 63"	TN0052	\$39.95
005-D	Red/White	87" x 118"	TN0053	\$137.95
010-В	Coral/White	43" x 63"	TN0102	\$39.95
020B	Pumpkin/White	43" x 63"	TN0202	\$39.95
025-A	Yellow/White	31" x 43"	TN0251	\$19.95
025-В	Yellow/White	43" x 63"	TN0252	\$39.95
025-D	Yellow/White	78" x 118"	TN0253	\$137.95
030-A	Honey Yellow/White	31" x 43"	TN0301	\$19.95
030-В	Honey Yellow/White	43" x 63"	TN0302	\$39.95
030-D	Honey Yellow/White	78" x 118"	TN0303	\$137.95
045-A	Green/White	31" x 45"	TN0451	\$19.95
045-В	Green/White	43" x 63"	TN0452	\$39.95
045-D	Green/White	78" x 118"	TN0453	\$137.95
060-A	Sky Blue/White	31" x 43"	TN0601	\$19.95
060-В	Sky Blue/White	43" x 63"	TN0602	\$39.95
060-D	Sky Blue/White	78" x 118"	TN0603	\$137.95
065-A	Blue/White	31" x 43"	TN0651	\$19.95
065-В	Blue/White	43" x 63"	TN0652	\$39.95
075-В	Violet/White	43" x 63"	TN0752	\$39.95
085-A	Rust Brown/White	31" x 43"	TN0851	\$19.95
085-В	Rust Brown/White	43" x 63"	TN0852	\$39.95
085-D	Rust Brown/White	78" x 118"	TN0853	\$137.95
090-A	Nutmeg/White	31 x 43"	TN0901	\$19.95
090-В	Nutmeg/White	43" x 63"	TN0902	\$39.95
090-D	Nutmeg/White	78" x 118"	TN0903	\$137.95
095-В	Biscut/White	43" x 63"	TN0952	\$39.95
100-A	Grey/White	31" x 43"	TN1001	\$19.95
100-В	Grey/White	43" x 63"	TN1002	\$39.95
100-D	Grey/White	78" x 118"	TN1003	\$137.95
105-A	Charcoal/White	31" x 43	TN1051	\$19.95
105-В	Charcoal/White	43" x 63"	TN1052	\$39.95
105-D	Charcoal/White	78" x 118"	TN1053	\$137.95
205-В	Red/Yellow	43" x 63"	TN2052	\$39.95
210-В	Orange/Yellow	43" x 63"	TN2102	\$39.95
225-В	Nutmeg/Yellow	43" x 63"	TN2252	\$39.95
305-В	Red/White/Red	43" x 63"	TN3052	\$39.95
310-В-	Blue/White/Blue	43" x 63"	TN3102	\$39.95
315-В	Blue/Yellow/Red	43" x 63"	TN3152	\$39.95
405-В	Charcoal/Red	43" x 63"	TN4052	\$39.95
420-В	Charcoal/Green	43" x 63"	TN4202	\$39.95
425-B	Charcoal/Blue	43" x 63"	TN4252	\$39.95

Manufacture Part Number		Size	ltem Number	Price
1005	Red/White — Black Grids	43" x 63"	TN51005	\$59.95
1015	Orange/White — Black Grids	43" x 63"	TN51015	\$59.95
1045	Green/White — Black Grids	43" x 63"	TN51045	\$59.95
1060	Sky Blue/White — Black Grids	43" x 63"	TN51060	\$59.95
1100	Grey/White — Black Grids	43" x 63"	TN51100	\$59.95
1230	Sky Blue/Green — White Grids	43" x 63"	TN51230	\$59.95
1315	Blue/Yellow/Red — White Grids	43" x 63"	TN51315	\$59.95
1405	Charcoal/Red — White Grids	43" x 63"	TN51405	\$59.95
1430	Charcoal/Sky Blue — White Grids	43" x 63"	TN51430	\$59.95
2005	Red — White Diagonal Lines	43" x 63"	TN52005	\$59.95
2060	Sky Blue — White Diagonal Lines	43" x 63"	TN52060	\$59.95
2161	Grey — Red Diagonal Lines	43" x 63"	TN52161	\$59.95
2336	Blue — Green Diagonal Lines	43" x 63"	TN52336	\$59.95
2402	White — Black Diagonal Lines	43" x 63"	TN52402	\$59.95
3005	Red — White Grids	43" x 63"	TN53005	\$59.95
3060	Sky Blue/White — Black Diagonal Lines	43" x 63"	TN54060	\$59.95
4060	Sky Blue/Green — White Diagonal Lines	43" x 63"	TN54230	\$59.95







890 Supreme Drive • Bensenville, IL 60106



#### Lightware Power Kits (A)

#### Adjustable Flash System Cases!

Versatile flash system cases with unique and impressive features. Adjustable dividers allow for custom configurations to safely fit nearly all popular brand power packs with heads, umbrellas and even some stands! Unlike other brands, structural support is provided by an internal Lexan® core wrapped in high impact foam. Result is maximum protection, minimum weight and no unsightly, cracked gaskets.

#### Power Kit 1200

14" x 7½" x 12½" (I.D.) Wt.: 11 lbs. Includes 1 divider. LI1500 .....\$219.95

#### Power Kit 1400

19" x 7½" x 14½" (I.D.) Wt.: 8 lbs. Includes 2 dividers.

#### Power Kit 1600

#### Power Kit 1800

29" x 7½" x 18½" (I.D.) Wt.: 13 lbs. Includes 3 dividers.

LI1510 .....\$249.95

26" x 7½" x 16½" (I.D.) Wt.: 11 lbs. Comes with 2 dividers. LI1520 .....\$289.95

LI1530 .....\$329.95

#### Strobe Head Case

#### Model T3040

21" x 8½" x 15½" (I.D.) With two adjustable dividers.

LI1080 .....\$249.95

#### Calumet **Traveller Kit Case**

#### Model T3060

Styled after Lightware's Medium Format cases, the Traveller Kit case features a single 29" x 10"x 15½" (I.D.) compartment and three 15½" adjustable dividers. Holds one 1500G or 3000G pack and three Fan-Cooled Heads with 6" reflectors attached. Inner shell insulates and absorbs shock.

LI1015 (B) .....\$349.95

#### **Para-Mount Sync Cords**

Paramount has produced heavyduty flash sync cords for over 30 years. They are renowned for durability and reliability.

#### **Coiled Cords**

Colled Colds
5' Household to Bipost <b>PN1005</b> \$14.99
5' Household to PC PN1008\$16.89
15' Household to PC PN1010\$27.49
5' PC Long Tip to Household <b>PN1012\$16.79</b>
5' Household to Rollei PN1013\$13.99
5' PC to Rollei PN1021\$12.99
5' Household to Nikon Screw PN1015\$13.99
6' PC Male to Female Extension

PN1023 .....\$14.19

4' PC to Vivitar 283-292 <b>PN1033\$14.79</b>
6' Vivitar/Nikon Screw <b>PN1035</b> \$16.29
Straight Cords 1' Household to PC PN2005\$11.09
10' Household to PC <b>PN2015</b> \$15.79
15' Household to PC <b>PN2018</b> \$14.99
1' Manual Tripper <b>PN2020\$14.69</b>
10' Household male to female ext. <b>PN2025</b> \$13.99
Slave to PC female adapter PN3005\$10.99

#### **Gold Tipped Sync Cords**

These heavy-duty cords feature connector tips plated with high quality industrial gold, renowned for its extraordinary properties as an extremely reliable conductor. 1' Household to PC/Straight PN2000 .....\$19.99 2.5' Household to PC/Coiled PN2001 .....\$21.99 5' Household to PC/Coiled PN2002 .....\$21.49 18" Household to PC/Straight PN2003 .....\$20.99 15' Household to PC/Straight PN2004 .....\$22.99

#### Calumet P.C. Repair Tool

Designed to repair the socket end of P.C. cords, this tool will keep your tip always snug fitting, as well as "in round" by realigning the center contact. Small enough to be carried in your pocket. HL8050.....\$7.99



#### CHIMERA

# **Highly Efficient!**

#### Super PRO Banks (A)

Chimera's finest light bank system features recessed front screens that not only control fall-off and flare, but make it possible to utilize their entire line of grids, barn doors and louvers. The Small, Medium, and Large fit up to 3 heads and the Extra-Small fits up to 2 heads. Available in silver or white interiors with silver being slightly more specular and white being slightly softer. All sizes include removable baffle. Requires speed ring for mounting.

Extra-Small — 16" x 22"
Depth: 12". Recessed Front: 1 ½". Wt: 0.8 lbs.
CH1060 (Silver)\$119.95
CH1021 (White)\$119.95
Small — 24" x 32"
Depth: 18". Recessed Front: 3". Wt: 1.4 lbs.
CH1065 (Silver)\$169.95
CH1022 (White)\$169.95
<b>Medium</b> — 36" x 48"
<b>Medium</b> — 36" x 48" Depth: 24". Recessed Front: 4 ½". Wt: 2.4 lbs.
Depth: 24". Recessed Front: 4 ½". Wt: 2.4 lbs. CH1070 (Silver)\$268.95
Depth: 24". Recessed Front: 4 ½". Wt: 2.4 lbs.
Depth: 24". Recessed Front: 4 ½". Wt: 2.4 lbs. CH1070 (Silver)\$268.95
Depth: 24". Recessed Front: 4 ½". Wt: 2.4 lbs. CH1070 (Silver)\$268.95 CH1023 (White)\$268.95
Depth: 24". Recessed Front: 4 ½". Wt: 2.4 lbs. CH1070 (Silver)\$268.95 CH1023 (White)\$268.95 Large — 54" x 72"
Depth: 24". Recessed Front: 4 ½". Wt: 2.4 lbs. CH1070 (Silver)\$268.95 CH1023 (White)\$268.95 Large — 54" x 72" Depth: 30". Recessed Front: 6". Wt: 4.4 lbs.

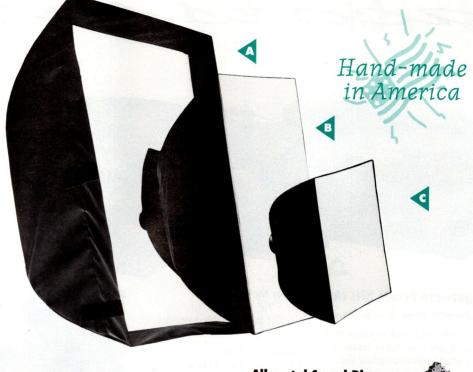
#### PRO (B) and PRO II (C) Banks

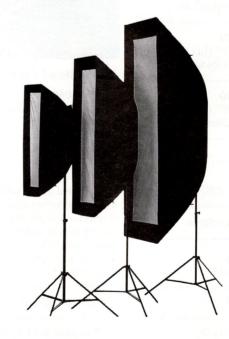
Chimera offers photographers two styles of efficient PRO Banks with white interior and flush front diffusion screen, which allows the banks to be set up side-by-side to create an uninterrupted wall of light.

While the PRO II Banks do not accept barndoors, the PRO Banks allow you to gain extra control by adding optional barndoors, The Small, Medium, and Large PRO Banks fit up to 3 heads and the Extra-Small fits up to 2 heads. The PRO IIs accept one head (or two with optional Double Head Bracket). All sizes include removable internal baffle. Require speed ring for mounting.

Extra-Small -	- 16" x 22"	
<b>PRO Bank</b>	CH1140	\$89.95
PRO II Bank	CH1016	\$65.95
Small — 24" x	32"	
<b>PRO Bank</b>	CH1150	\$139.95
PRO II Bank	CH1017	\$114.95
<b>Medium</b> — 36	" x 48"	
PRO Bank	CH1160	\$218.95
PRO II Bank	CH1018	\$174.95
Large — 54" x	72"	
PRO Bank	CH1170	\$329.95
PRO II Bank	CH1019	\$281.95

Calumet carries the full line of Chimera accessories. Call 1-800-CALUMET for details.





#### Strip Banks

Super Pro Strip Banks (Silver)

Small — 9" x 36" CH1120.....\$161.95 Medium — 14" x 56" CH1125.....\$259.95 Large — 21" x 84" CH1130.....\$433.95

Pro II Strip Banks (White)

F2 Light Banks

5' x 10'	CH2000CALL
10' x 20'	CH2020CALL
10' x 30'	CH2025CALL

#### **All-metal Speed Rings**

These rotating speed rings are made of precision extruded aluminum alloy, so they're extremely rugged, durable and heat resistant.

These rings bolt to the Heavy Duty Stand Bracket quickly and securely for multiple head use.

Balcar/Wh. Lightning	CH1605\$70.39
Broncolor Impact	CH1615\$136.95
Broncolor Pulso	CH1620\$145.95
Calumet Series-2	CH1610\$96.79
Dyna-lite	CH1625\$96.79
Norman LH2000	CH1630\$70.39
Norman LH2400	CH1635\$78.89
Photogenic PL06	CH1640\$96.79
Speedotron Blk. Line	CH1650\$70.39

#### **Speed Rings**

These speed rings are made of 33% glassfilled nylon. *Note:* (R) is rotating ring and (S) stationary ring. Call for rings not listed.

(-)	
Broncolor Pulso (R)	CH1234\$114.95
Calumet Series-2(R)	CH1213\$63.99
Comet CA/CX (R)	CH1266\$56.95
Dyna-lite (S)	CH1207\$37.95
Dyna-lite (R)	CH1208\$74.69
Elinchrom (R)*	CH1243\$54.95
Norman LH2000 (R)	CH1216\$46.95
Norman LH2400 (R)	CH1217\$55.95
Novatron Standard (S)	CH1214\$29.95
Novatron Bare Tube (R)	CH1236\$59.95
Photogenic PL06 (R)	CH1240\$72.95
Speedotron Blk. Line (R)	CH1205\$44.95
Speedotron Brn. Line (S)	CH1206\$37.95
Sunpak Monolights (R)	CH1246\$72.95
Balcar/Wh. Lightning (R)	CH1209\$47.95

^{*}Requires use of Chimera's short poles.

#### AFFORDABLE QUALITY SOFT BOXES

hotoflex light control accessories come in a variety of types, shapes and sizes. From the versatile, and professional Multidome, to the economical, and efficient Litedome 293, the Photoflex line offers creative lighting solutions to all types and levels of photographers. All Photoflex soft boxes feature a colorbalanced, custom coated Duracloth™, white interior which produces an efficient light output while maintaining a soft contrast between shadow and highlight.



#### **Photoflex Litedome 293**

This extremely efficient soft box delivers a pleasingly soft and even quality of light at a most affordable price. For situations that call for a more directional and defined light, simply remove the front diffusion face. Even light distribution control is provided by a removable internal baffle in the medium, large and extra-large models, while all models accommodate multiple strobe heads. Requires strobe connector for mounting.



#### **Photoflex Multidome HV3**

Produces light that is warm or cool, hard or soft, rectangular or circular. A removable front diffusion face allows for soft or directional lighting. Removable interior baffle lets user choose from an even (baffled) illumination or graduated-to-hot spot effects. Interchangeable panel inserts are reversible silver (harder edged) and gold (softer and warmer) to alter color and contrast of light, or removed for a soft white effect perfect for high key. A circular face mask provides a circular catch light. Also vented to reduce heat from strobe heads. Requires strobe connector for mounting.

requires sir est connected get
Multidome HV3 Small (16" x 22"x 13") LT5015\$124.95
Multidome HV3 Medium (24" x 32"x 17") LT5025
Multidome HV3 Large (36" x 48" x 24") LT5035
Multidome HV3 X-large (54" x 72" x 32") LT5045\$389.95

#### **Photoflex Multidome Accessories**

Gold Fabric for Multidome Medium LT8150	\$27.09
Gold Fabric for Multidome Large LT8155	\$37.99
Gold Fabric for Multidome Extra Larg	ge



#### **Photoflex Halfdome HV2**

This versatile "strip" light produces light in several contrast and evenness qualities. Its long, narrow light source may be used as a main or fill or hair light. Features a removable face and interior baffle, heat vents, and a wide back opening that accepts multiple heads. Includes carry bag.

Requires strobe connector for mounting.

Halfdome HV2 Small — 9" x 35" x 18"

1 T6015

Halfdome HV2 Small — 9" x 35" x 18"
LT6015\$119.95
Halfdome HV2 Medium — 15" x 55" x 24" LT6025\$179.95
Halfdome HV2 Large — 21" x 85" x 31"

LT6035 .....\$239.95

#### **Photoflex Strobe Connectors**

Makes it easy to attach virtually any strobe to a Photoflex dome. Made of heat-resistant, strong Nylon 66 material, these strobe connectors are durable and long-lasting.

connectors are durable and long-lasting.
Novotron SVD Head <b>LT4060\$37.99</b>
Comet <b>LT4080</b> \$34.69
Photogenic PM <b>LT4100\$28.19</b>
Photogenic FM/SM LT4101\$37.99
Dynalite (R) LT4110\$32.59
Broncolor Daypact LT4120\$59.69
Calumet Series-2/Traveller LT4130\$32.59
Speedotron LT4000\$30.39
Balcar/White Lighting LT4010\$30.39
Norman LT4020\$41.19

#### PLUME

#### Wafer Light Diffusion Banks (A)

#### **Unique Patented Design!**

Top quality banks with special features:

- Superior light quality
   Hybrid interior uses silver with white side ellipsis to eliminate hot spots
- Contrast control
   Two graduated inner baffles offer choice of light values across the front diffusor
- Narrow profile and lighter weight Improves light efficiency and stability

Each Wafer includes support wands, front diffusion screen, two baffles, flameproof cowl and case. *Requires mounting ring*.

Wafer 75 (22" x 30" x 9") <b>AF2050</b>	\$259.95
Wafer 100 (30" x 40" x 12") <b>AF2060</b>	\$329.95
Wafer 140 (40" x 54" x 16") <b>AF2070</b>	\$409.95
Wafer 200 (54" x 78" x 25") <b>AF2069</b>	\$589.95

#### Wafer Hexoval (B)

The ideal shape for portrait and fashion. *Requires Rotating Mount.* 

Requires Rotating Mount.	
Hexoval 100 (28" x 38" x 10") <b>AF2000</b>	\$319.95
Hexoval 140 (38" x 54" x 14") <b>AF2002</b>	,
Hexoval 180 (56" x 72" x 20")	
AF2003	\$579.95

#### Wafer Strip Lights (C)

With mask to reduce width by half.

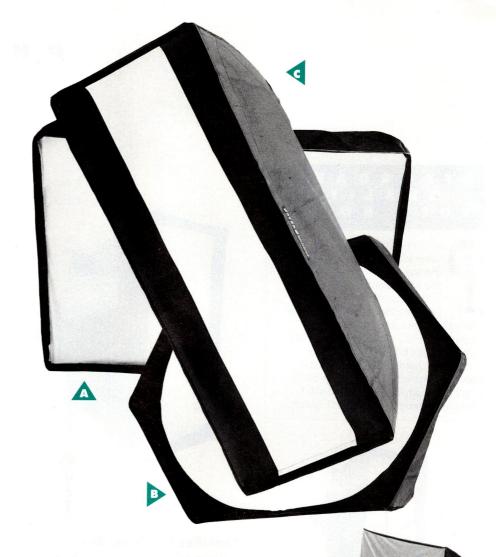
#### Wafer Strip 100

Great for narrow highlights on knives or flatware or for single portraits. (15" x 40" x 15")

AF2010.....\$349.95

#### Wafer Strip 140

#### Wafer Strip 200



Plume Express Banks (D)

These low-profile light diffusion banks are perfect travel companions, providing soft, even lighting, quick set-ups, and minimum bulk. Shares many of the innovative design features of the Wafer, including ultrathin profile, efficient hybrid interior,heatresistant cowl and compatibility with Plume Wafer Rotating Mounting Rings. Other Express features include fixed front diffuser, single fixed inner baffle, and protective stowage bag. *Requires Rotating Mount*.

 Small Express (22" x 30")

 Weighs only 10 oz.

 AE1000......\$149.95

Medium Express (30" x 40")

Weighs 15 oz.

AE2000.....\$199.95

Large Express (40" x 54") Weighs 23 oz.

AE3000.....\$249.95

Plume Mounting Rings

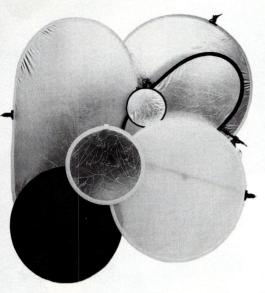
All metal rotating mount fits Plume Wafers, Plume Express banks and other brand light banks. Additional mounts are also available for other flash systems.

Calumet Series 2/Traveller/Prolite

	••••••••••••••••••••••••••••••••••••••	The state of the s
Speedotron	AF2080	\$64.99
Comet	AF2088	\$64.99
Dyna-lite	AF2086	\$64.99
Norman	AF2082	\$64.99
Balcar	AF2084	\$64.99
Photogenic Po	werlight 600	

AF2092.....\$79.99

44





### CALUMET LITEDISCS



# Calumet Litedisc Reflectors by Photoflex

When you're on location, Litediscs are the most convenient and efficient reflector panels available. Litediscs provide the most portability, collapsing to one-third of its open size. Structural frames are made from high gauge spring steel, and are double rivited for long life. Reflective surfaces are heat-bonded to high quality nylon and covered with a protective silicon coating to withstand the rigors of daily use. Litediscs provide quick and easy set-up, and come complete with their own protective carry bag.

12" Litediscs		
White/White	LT8005	\$15.49
Gold/White	LT8038	\$15.49
Silver/White	LT8068	\$15.49
Silver/Black	LT8098	\$15.49
22" Litediscs		
White/White	LT8010	\$23.99
Gold/White	LT8040	\$30.39
Sft. Gold/White		

Gold/Silver	LT7950\$43.29
Silver/White	LT8070\$26.79
Silver/Black	LT8100\$26.79
32" Litediscs	
White/White	LT8020\$35.79
Gold/White	LT8050\$44.79
Sft. Gold/White	e LT7880\$61.19
Gold/Silver	LT7960\$65.69
Silver/White	LT8080\$44.79
Silver/Black	LT8110\$44.79
42" Litediscs	
White/White	LT8030\$50.69
Gold/White	LT8060\$56.69
	e LT7890\$74.59
Gold/Silver	LT7970\$79.09
Silver/White	LT8090\$56.69
Silver/Black	LT8120\$56.69
52" Litediscs	
White/White	LT8035\$70.09
Gold/White	LT8065\$77.59
Sft. Gold/Whit	e LT7900\$96.99
Gold/Silver	LT7980\$101.95
Silver/White	LT8095\$86.79

#### Calumet Telescopic Litedisc Holder

**Accommodates ALL Light Stands!** 

This multifunctional mini boom arm makes lighting control with Litedisc reflectors a snap. Designed specifically to hold all models of Litediscs, this versatile 6' arm will also work well with most other portable reflector and diffusion systems. The Telescopic Litedisc Holder features two swival clamps, which can be spaced anywhere from 7" to 67" apart so that it holds all sizes of Litediscs: 12, 22, 32, 42, and 52", including the ovals. The swivel clamps allow you to mount the transparent disc so that you can shoot through it without the arm's shadow. It has a solid 3/8" tip, so it can also be used as a small boom arm for a portable flash. The Telescopic Litedisc Holder is versatile enough to accommodate all light stands, and is made of anodized black aluminum to prevent reflections when shooting.

LT8201.....\$49.99



#### Apollo Light Modifiers (A)

Ideal for portrait and commercial location work, these units are easy to set up, lightweight and fit most lighting systems. The Apollos provide 104° of soft light and are available with flush and recessed front surfaces. The light source can be placed for direct or reflected positioning as in the Halo. Apollos require no back plates or speed rings, and can be adapted to virtually all flash lighting systems.

Flat Apollos

28"

24"	HL1000	\$89.99
28"	HL1020	\$99.99
50"	HL1040	
Reces	sed Apollos	
24"	HL1010	\$99.99
28"	HL1030	\$109.95
Louve	ers for Recessed Apollo	
24"	HL1050	\$179.95

HL1060.....\$199.95

#### WESTCOTT

#### Halo Light Modifiers (B)

These light modifiers provide the photographer with 140° of soft, even, diffused lighting. The Halos, available in round or square, are lightweight, easy to set up and adapt to virtually all lighting systems without backing plates or speed rings.

They can be used either direct or reflected, allowing the photographer to have soft or softer lighting from one unit. Additional control is made possible by moving the light source along the length of the Halo's shaft.

**Round Halos** 

Kouna	паю	- was some financial
32"	HL6015	\$79.99
45"	HL6025	\$89.99
54"	HL6035	\$159.95
	e Halos	
	e Halos HL6010	\$79.99
	HL6010	

#### CALUMET

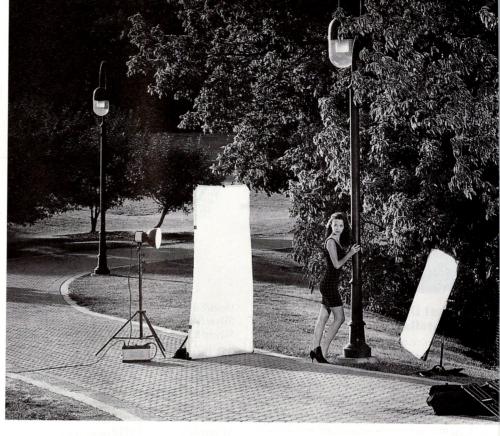
#### THE PORTABLE PANEL SYSTEM

ere is a complete system which offers convenience and versatility in the studio and on location. Enjoy creative lighting control for a full range of applications, including products large and small, and people short and tall.

**Quick and Easy Set-up** 

Calumet's system offers the fastest setup and breakdown times of any on the market today. Each frame is hinged at the corners and break joints, making setup and teardown a one-step breeze. Frames self-lock into position, forming rigid supports for a wide variety of fabrics. No turning or twisting is required to lock or unlock the frame and no integrated cord means Calumet frames stay folded and won't pinch your hands during assembly.

Lightweight, Heavy-Duty Design
Calumet's frames are made of ultra-light
and ultra-rugged PVC tubing. The
42" x 78" frame weighs only 2.3 lbs.!
Their super-thin 1½" profile allows you to
store them efficiently — with or without the
fabrics attached.

















# 30"x 30" Light Control Frame

This smallest frame of the Calumet Light Control System is perhaps the most

versatile and useful of them all! The diminutive frame, with its full array of fabrics, can fit just about anywhere on or off the set as a gobo, reflector, barndoor or lens shade

The 30" x 30" folds down to a subcompact 30" long and weighs a mere 1 lb.  $3 \frac{1}{2}$  oz. - small and light enough to take anywhere.

An optional Support Bar connects to the frame, allowing you to attach it to a Light Stand Clamp to precisely control the angle of the frame.

CF6030 .....\$24.95

#### 42" x 42" Light Control Frame

This compact, reflector frame is the ideal size for small table-top product shots or for head and shoulder portraiture. Used individually, it makes a great gobo, hair light reflector, barndoor or even lens shade.

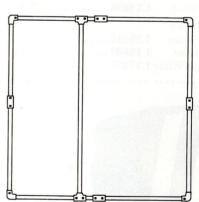
Joined together, they can be converted into small, portable soft boxes.

Frame weighs: 1 lb. 9 ½ oz. **CF1042** ......\$32.95

42" x 78" Light Control Frame

This popular size features universal applications, from small and large products to individual and group portraits. Because of its rectangular design it can be used either horizontally or vertically. Weighs 2 lbs. 2 ½ oz. and folds to a compact 42".

CF3078..\$34.95



#### 78" x 78" Light Control Frame

This super-sized 78" x 78" frame is ideal as an extra-large overhead light diffuser or as

a very big reflector, in the studio or on location. Use it alone or convert it into an enclosed lightbank—with interchangeable interior surfaces.

Whether you shoot people or products, fashion or factories, the 78" x 78" will open up plenty of possibilities.



#### **Versatile Selection of Fabrics**

Flexible lighting control is yours — create high key, diffused, additive, subtractive or warming effects with Calumet's wide choice of fabrics. Each attaches quickly and securely with elastic corner straps. Use them individually or with one fabric mounted to each side for quick reflector changes.

- Translucent White—This shoot-thru, white fabric is used to soften the harshness of direct lighting.
- Reflective White—An opaque white for reflecting, or bouncing either artificial or ambient light. Ideal for fill light applications for soft, even results.
- Subtractive Black—A light absorbing surface used to reduce reflectance or shading specific areas.
- Reflective Silver—This super-efficient reflector maximizes bounce light output. Ideal for high-key applications.
- Warming Gold—Converts daylight flash into a pleasing, late afternoon bronze tone. Great for "painting" selective areas.
- Super-Opaque—This combination white and black, back-to-back, fabric offers efficient, yet soft reflected light. Serves double-duty as a 2-in-1 fabric by simply reversing surfaces.

#### Frame/Fabric Combination Chart

	Translucent White	Subtractive Black	Reflective White	Reflective Silver	Warming Gold	Super- Opaque
30" x 30" Frame/Fabric Combinations	CF61430 \$31.95	CF62430 \$31.95	CF63430 \$32.95	CF64430 \$41.95	CF65430 \$41.95	CF66430 \$33.95
42" x 42" Frame/Fabric Combinations	CF11420 \$39.95	CF12420 \$39.95	CF13420 \$42.95	CF14420 \$49.95	CF15520 \$49.95	CF16420 \$46.95
42" x 78" Frame/Fabric Combinations	CF31780 \$44.95	CF32780 \$43.95	CF33780 \$52.95	CF34780 \$67.95	CF35780 \$67.95	CF36780 \$59.95
78" x 78" Frame/Fabric Combinations	CF81478 \$78.95	CF82478 \$78.95	CF83478 \$85.95	CF84478 \$114.95	CF85478 \$114.95	CF86478 \$99.95

#### **Fabric Chart**

	Translucent	Subtractive	Reflective	Reflective	Warming	Super-
	White	Black	White	Silver	Gold	Opaque
30" x 30"	CF7030	CF7130	CF7230	CF7330	CF7430	CF7530
Fabrics	\$7.95	\$7.95	\$9.95	\$19.95	\$19.95	\$11.95
42" x 42"	CF2042	CF2142	CF2242	CF2342	CF2442	CF2542
Fabrics	\$12.95	\$12.95	\$16.95	\$26.95	\$26.95	\$19.95
42" x 78"	CF4078	CF4178	CF4278	CF4378	CF4478	CF4578
Fabrics	\$18.95	\$18.95	\$26.95	\$39.95	\$39.95	\$30.95
78" x 78"	CF9078	CF9178	CF9278	CF9378	CF9478	CF9578
Fabrics	\$31.95	\$32.95	\$42.95	\$69.95	\$69.95	\$52.95

#### **Panel Joiner Clips**

Two-sided clips used to connect panels to form flats and light boxes. (Package of 6)

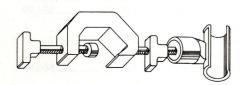
CF5200 .....\$13.99 **Neatness Clips** 

Hold the fabric taut against the frame to provide a smoother surface, and feature a slot for holding cables and cords to the frame. (Package of 6)

CF5300.....\$8.95







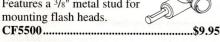
#### **Light Stand Clamp**

Heavy-duty swivel clamp used to attach panels to light stands and booms. Allows you to adjust angle of panel.

CF5000.....\$19.95

#### Strobe Mount

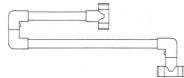
Features a 3/8" metal stud for mounting flash heads.



#### **Strobe Mount Frame**

Converts 30" x 30", 42" x 42" and 42" x 78" frames into free-standing lightbanks in just minutes. Includes two 3/8" strobe mounts.

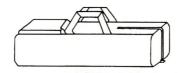
CF5600.....\$64.95



#### Calumet Leg Set

Includes two stabilizing leg supports which allow individual panels to be used freestanding. Swivel joints allow angle adjustment.

CF5100.....\$32.99



#### **Calumet Travel Bag**

This durable Cordura bag makes it all that much easier to take Light Control Panels with you on location. Features carry handles and nylon zipper. 40"(1) x 8"(w) x 8"(h). CF5150.....\$59.95

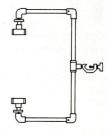
#### **Calumet Turf Spikes**

These 8" metal spikes stick into the ground to stabilize panels against the wind. (Set of 2) CF5400.....\$8.95

#### **Positioning Bracket for**

42" x 42" Frame

This u-shaped bracket features swivel joints that attach to the frame to allow angle adjustments up to 360°. Attach to stand with a built-in stand clamp. Ideal for using



frame directly above or below sets. CF9900 ......\$69.95

Positioning bracket for 30" x 30" frame. CF7900 .....\$59.95



#### 42" Support Bar

Adds structural support and additional mounting control to 42" x 42" and 42" x 78" frames. Features a joining clip at both ends.

CF5042.....\$10.95 30" Support Bar

CF5030.....\$9.95



# ABLE

hen it comes to the quality of light, Calumet Tungsten shines above the rest. Our Variable Spot Light delivers 650 watts of clean light in varying degrees, while our 1000 watt Mini-Flood produces a broad angle of uniform light with edge control. Carefully designed reflectors produce exceptionally smooth illumination that eliminate hot spots without reducing light output.

Whether you're using tungsten on location or in the studio, for still or video, you'll be impressed with the fast setup of Calumet's lightweight system. Its simple design makes adjustments a breeze, with built-in accessory holders and adjustable yokes for positive angle positioning.

Calumet's broad selection of accessories from barn doors, Fresnel lenses, scrims, snoots and dichroic filters - handle most lighting situations.

#### **Calumet Tungsten Variable Spot Lights**

#### Powerful, Efficient Spots!

These versatile, variable angle spots feature:

- Portable, lightweight construction of rugged, heat-resistant fiberglass
- Smooth, continuous focusing via cam movements provide vibration-free beam angle adjustments and longer lamp life
- Accessory Fresnel lens can be added for diffused lighting or easily removed for stronger illumination
- Built-in accessory holder with quickaccess and lock-in capabilities
- Convenient in-line on/off switch, %" mount and 20' cable
- 1-Year Warranty

#### 650w Variable Spot Light

Features adjustable beam angle of 30° to 70° and focus ratio of 3:1. Measures 8" (h) x 8.5" (d) x 13" (w). Weighs 5 lbs. Includes light, safety glass, accessory holder with lock. Requires FAD 650w Lamp. LM1005.....\$199.95

#### 650w Fresnel Spot Light Kit

Includes 650w variable spot light and Spot Fresnel Lens. Requires FAD 650w Lamp. LM1006.....\$219.95

FAD 650w 3200K Lamp WIFAD .....\$16.95



#### **Variable Spot Accessories**

4-Leaf Revolving Barn doors (w/filter clips) LM1100 .....\$53.99 For 650w Spot

#### Scrim Set

Includes 2 full and 2 half-scrims with fine and coarse screens.

For 650w Spot LM1110 .....\$66.99

#### **Dichroic Conversion Filter**

Converts 3200°K to average daylight with light loss of one stop. UV absorbing. Mounted. For 650w Spot LM1120 .....\$109.95

#### Snoot

For 650w Spot LM1140 .....\$53.99

#### Fresnel Lens

For 650w Spot (mounted)

LM1150 .....\$44.95

Replacement Safety Screen

For 650w Spot LM1200 .....\$21.99

Prices are subject to change.

#### HOT LIGHTS



#### **Lowel Fren-L 650**

#### First in a New Family of Fresnels!

This compact focusing fresnel spot is sure to stand along side Lowel's Tota-light as an instant lighting classic. The Fren-L 650 features an impressive 7:1 focusing range, from a wide, smooth flood to a tight, intense spot. Rack-and-pinion lamp carriage glides on ball bearings for smooth, fail-safe focusing.

A curved Schott Fresnel lens produces sharp shadow quality with excellent edge modulation and control. Double-wall convection cooling ensures high lamp life and while a durable, heat-resistant silicon finish keeps the unit cool on the outside and reduces maintenance. An over-sized swing-down swing-down handle, a large focusing knob, and a very practical single-arm yoke design make all positioning controls safe, precise and efficient.

A quick-wrap, removable, 16' power cable is convenient for going out on location. Choose from a unique array of Fren-L accessories, including barndoor flaps which are expandable or instantly removable, drop-in scrims which lock in instantly, a snoot which holds various shaped patterns. The Fren-L 650 is also compatible with many of Lowel's Tota, Omni, DP, Pro- and i-light control and mounting accessories (see page 50).

A built-in accessory bracket accepts umbrellas, gel frames and Flexi-shaft. The Fren-L 650 mounts on a 5/8" stud and is capable of accepting 650, 500 and 300 watt lamps. Includes a 2-year fixture warranty. *Requires lamp*.



#### **Arri Fresnel Systems**

Each Arri Fresnel has up to a 60° beam angle and features ribbed aluminum housing, low expansion borosilicate fresnel lens, and 25° cable with rugged in-line switch. Lamps purchased separately.

#### 300w Fresnel Spot

Its 3.2" (80mm) Fresnel lens produces a beam diameter range from 1.4' at 5' on "spot" to 23.1' at 20' on "flood." Weighs 6.5 lbs. and measures 7.1" x 10" x 6.3". %" mount. Requires FKW Lamp.

AX1000 ......\$329.95 FKW Lamp WIFKW .....\$38.49

#### 650w Fresnel Spot

Its 4.3" (110mm) Fresnel lens produces a beam diameter range from 1.4' at 5' on "spot" to 34.6' at 30' on "flood." Weighs only 7.1 lbs. and measures 8" x 11.5" x 7.5". %" mount. *Requires FRK Lamp*.

AX2000 ......\$349.95 FRK Lamp WIFRK .....\$38.59

#### 1000w Fresnel Spot

A 5.1" (130mm) Fresnel lens produces a beam diameter range from 2.1' at 10' on "spot" to 46.2' at 40' on "flood." Weighs 11.2 lbs. and measures 10" x 14" x 8.9". 58" to 11/8" mounts. *Requires EGT Lamp.* 

AX3000 ......\$489.95 EGT Lamp WIEGT .....\$41.95

#### 2000w Fresnel Spot

A 6.9" (175mm) Fresnel lens produces a beam diameter range from 2.6' at 10' on "spot" to 46.2' at 40' on "flood." Weighs 17.5 lbs. and measures 12" x 21" x 10.2". 5/8" to 11/8" mounts. Requires CYX Lamp.

AX4000 \$679.95
CYX Lamp WICYX \$64.95

owel lighting equipment has gained the respect of professional photographers for its innovative designs, all geared to facilitate transport, set-up, control and maintenance. Whether used on location or in the studio, the Lowel-light system provides unlimited creative options.

#### Tota-light

This compact, lightweight (22 oz.) tungsten unit is not only powerful, capable of up to 750 watts output, it is flexible. Its efficient reflector design allows coverage of up to four walls — with less than a half-stop variation — while its adjustable barn doors offer precise angle control. Perfect for location, Tota-lights can be mounted two-to-a-stand, to walls, doors, windows, what-have-you. Additional light control and mounting options are available via a wide range of dedicated accessories.

The Tota-light closes up like a clam for travel and storage, measures 2" x 3" x 11" closed and includes a 16' detachable cable. It mounts to \%" or smaller studs.

LW1000 (A)	•••••	\$109.95
750w Lamp	WIEJG	\$20.89
500w Lamp	WIFDN	\$17.89

Note: Lamps are not included with light units listed on this page, and must be ordered separately.





#### dp-light

A compact focusing light with continuously variable 8:1 spot/flood range. Standard reflector produces a smooth flood pattern, full spot produces a center intensity equal to many 2000 watt units. Weighs under 4 lbs. Includes built-in 16' cable and %" mount.

LW3500 (B)	••••••	\$149.95
1000w Lamp	WIFEL	\$29.95
750w Lamp	WIEHF	\$38.95

#### dp Light Accessories

#3 Superspot Reflector	
LW3505	\$18.49

Complete Barndoor — Fra	me with
two triangular and two recta	ngular leaves.
LW3515	\$64.99
Diffused Glass — Softens, a	bsorbs U.V.
LW3535	

<b>DP Dichroic Filter</b> — 3200°K to daylight. <b>LW3540\$109.95</b>
Snoot — Reduces circle of light.
LW3550\$41.95

Full Scrim — Nearly	one-stop red	luction.
LW3555	•••••	\$16.25
Frame — 12" x 16"		

#### **Omni-light**

A 6:1 spot/flood range makes this an excellent general purpose light. It's also portable (weighing only 27 oz.) and, with assistance from the Omni-System and many Tota-System lighting accessories, versatile. Includes 16' removable cable and % " mount.

LW1005 (C)	•••••	\$129.95
500w Lamp	WIEKB	\$19.95

#### **Omni-light Accessories**

Complete Barndoor — Rotates 360°	and
holds two accessories.	
LW3140	.\$52.49
Barndoor Frame — Joins two snoots.	
LW3145*	.\$35.09

Diffused Glass — Soften	s, absorbs U.V.
LW3160*	\$31.95
Dichroic Filter — 3200°	K to daylight.
LW3165*	\$83.95

Snoot — Reduces circle of light	
LW3175*	\$36.89
Full Scrim — Nearly one-stop r	reduction

LW3180*	
Omni Graduated Scrim — Rotate	es 360°
LW3190*	\$16.95

#### Tota-light and Omni-light Accessories



















#### 16" Flexi-shafts

Two 16" flexible arms hold and position flags, reflectors, etc.

LW3030 .....\$21.59

#### Tota-flag

8" x 12" shadow control panel snaps onto Flexi-shaft.

LW3040 (A)*.....\$17.79

#### Tota-flector

8" x 12" panel snaps onto Flexi-shaft. LW3060 (B)* .....\$24.89

Small spring clip accepts Flexi-shaft. LW3020 (C).....\$15.69















#### **Tota-Clamp**

Clamps onto objects up to 1\%", has \%" stud and ¼-20 socket. Accepts 2 Flexi-shafts. LW3070 (D) .....\$20.49

#### **Tota-mount**

Supports lights on top of doors. LW3080 (E) .....\$27.99

#### **Tota-daptor**

Provides two Flexi-shaft sockets for light stands up to \%".

LW3090 (F) .....\$18.99

Holds 12" gels. Recommended for lamps up to 500 watts. (See page 139 for gel holder to use with lamps up to 1000 watts.)

LW3010 (G).....\$25.49



LW3015 .....\$26.95

#### Tota Gels (H)

Packs of 5 tough, fade-resistant 10" x 12" sheets for Tota-frame.

#### **Day Blue**

Converts tungsten (3200°K) sources to approximate daylight balance.

LW3012 .....\$12.50

#### **Assorted Gels**

3 Day Blue, 1 Frost and 1 Neutral Density. LW3016 .....\$12.50

Call for information on other accessories.

*Compatible with Dyna-lite flash heads



**Lowel Light-Kits** 

Lightweight, compact assortments of the versatile Lowel-light component systems, chosen to provide maximum utility in minimal space for a variety of location lighting requirements.

Call for prices on other Lowel kits.

#### Tube Kit

(2) Tota-lights (less lamps), 16' Cables, (2) 9' Omni Stands, (1) Tota-brella, (1) Tota-frame, (1) Assorted Gels, (1) Tota-lampak, (1) Tube Case. Total Weight: 18 lbs.

LW4030 .....\$515.95

#### Trans-Kit

(3) Tota-lights (less lamps), 16' Cables,
(3) 9' Omni Stands, (3) Tota-brellas,
(1) Tota-lampak, (1) Tota/Omni Case.
Total weight: 28 lbs.
LW4005 .......\$816.95

**Basically 3 Kit** 

(2) Tota-lights (less lamps), 16' Cables, (1) Omni-light (less lamp), (3) 9' Omni Stands, 16' Cable, #1 Reflector, (1) Omnibarn door, (1) Full Scrim, (1) Tota-brella, (1) Tota-frame, Assorted Gels,

#### Tota T 4 Kit

#### **Omni Action Kit**

(3) Omni-lights (less lamps) with 16' Cables, #1 Reflectors, (3) 9' Omni Stands, (3) Omnibarndoors, (1) Omni-lampak, (1) Tota/Omni Case. Total weight: 31 lbs.

LW4040 .....\$990.95

#### Omni 3 Kit

#### DP 3 Kit

(3) DP Lights (less lamps), #1 Reflectors, (3) DP barndoors, (3) 9' KS Stands, (1) DP lampak, (1) Multi Case. Total weight: 45 lbs. LW4020 ......\$1159.00

#### DP 4 Kit

(4) DP Lights (less lamps), #1 Reflectors, (4) DP barndoors, (4) 9' KS Stands, (1) DP lampak, (1) Multi Case. Total weight: 54 lbs. LW4075 .....\$1459.00

#### Softlight 2

Folds up for travel and storage, yet opens up to a large, extremely bright source for soft, natural highlights and shadows with a wide pattern. When used 45° or more off the lens axis the Softlight 2 provides a strong, but not flat result. Choose from two 500, 750 or 1000w lamps for up to 2000w of output. Additional light control provided by optional barndoors. Measures 28"x 24", and only 7" deep. Folds to only 28"x16" x 4" and weighs only 8 lbs. 14' cable has in-line switch. Accepts two FHM, EJG or FDF lamps.

LW2500 \$316.95

liaht Caft Vit

(1) Softlight 2 (less lamps), (1) Complete Set Barndoors, (1) Tota-lampak, (1) Softlight Case. Total weight: 29 lbs.

LW2520.....\$686.95

#### **Softlight Accessories**

Softlight Complete Barndoor Set

Includes two adjustable and two non-adjustable barndoors.

LW2505.....\$84.95

Softlight Top/Bottom Door

Adjustable doors.
LW2510.....\$36.95

Softlight Side Door

Non-adjustable LW2515.....\$18.95

Replacement Lamps

1000w, 120v, 3200°K, Frosted
WIFHM......\$18.29
750w, 120v, 3200°K
WIEJG.....\$20.89

500w, 120v, 3200°K

WIFDF ......\$17.09





#### Lowel v-light

#### Efficient wide angle light source!

This 120, 220 and 240 volt, 500 watt light uses a low pressure halogen lamp in a removable, protective shield. The v-light can light a small room, yet fits into a pocket! It accepts the same accessories as the Pro-light and i-light. Lamp not included. LW1040.....\$99.95

GDA 500 watt 3150°K lamp for v-light

WIGDA .....\$18.99



#### **Lowel Pro-light**

#### Focusing range up to 8:1!

This small and versatile focusing light uses halogen lamps of 120 volts, 250 watts; 30 volts, 200 watts and 12 volts, 100 watts. It accepts a super-spot reflector, unique barndoors and Lowel Tota-light controls. (Tota-brella, Tota-frame for gels

and Tota-flags). Lamp not included.

LW1020.....\$104.95

GCA 250 watt 3200°K lamp for Pro-light

WIGCA.....\$21.95



#### Lowel i-light

#### **Battery-powered portable!**

This 12 volt focusing light uses inexpensive 55 and 100 watt automobile halogen lamps. It is supplied as a complete set with 100 watt lamp, stand-fitting, handle, Cam-link and Low-link (the latter two for camera-top mounting). The i-light accepts the same accessories as the Pro-light and it connects to a cigarette

LW1030.....\$119.95

Replacement i-100 lamp for i-light

LW1032.....\$7.49

#### **Accessories for Pro and i Lights**

#### 4-Way Barndoor

With two expandable rectangular leaves, two expandable triangular leaves. Accepts swing-in accessories and rotates 360°.

LW5020.....\$32.29

#### 2-Way Barndoor

With two removable nonexpandable leaves. Accepts additional leaves and rotates 360°. LW5025.....\$17.50

**Barndoor Frame** 

Accepts swing-in accessories and/or leaves.

LW5021.....\$10.95

#### Swing-in Accessory Holder

Attaches to Barndoor Frame and holds filters, scrims and diffusers. LW5030.....\$10.95

#### Diffused Glass w/out Holder

Softens light. Fits Accessory Holder.

LW5050.....\$11.95

#### **Full Scrim**

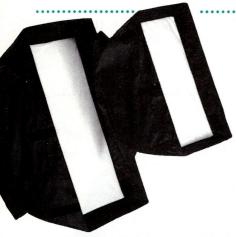
Reduces light by 1-stop. Fits Access Holder.

LW5054.....\$4.95

#### Spoot

Fits directly to light for reduced, soft-edged circle.

LW5053.....\$31.09



#### Chimera Video **Pro Light Banks**

These soft boxes designed with heat resistant fabrics are safe for use with a 1000w open-faced (or 2000w fresnel) constant light source. Includes the same features as the popular Super Pro banks, with silver interior, removable baffle, short poles and accessory compatibility. Renders a broad diffused light controlled by the recessed screen. Requires speedring for mounting.

X-Small (16" x 22") CH2201 .....\$142.95 Small (24" x 32") CH2206 .....\$199.95 Medium (36" x 48") CH2211 .....\$328.95 Large (54" x 72") CH2216 .....\$505.95

#### **Chimera Video Speedrings**

For Calumet 650w Spot Light CH1508 .....\$79.95 For Arrilite 650/800/1000 CH1465 .....\$69.95 For Lowel Tota-Light CH1490 .....\$89.95 For Lowel Pro-Light

CH1460 .....\$46.95 For Lowel V-Light CH1461 .....\$23.39



**Photogenic Minispot** Spotlight

While it weighs only 21/4 lbs. and is less than six inches high, the Minispot is versatile enough to power a 200 watt lamp to project a focusable spectrum of lighting effects from a small intense spot to a broad flood of smooth light. Ideally suited for highlighting portraits or small products.

Features adjustable yoke with 3/8" mount and 15' cable with in-line switch. Dimensions: 5¾" x 5" x 4"

Requires 200w/FEV lamp. PG2100.....\$119.95 200w Lamp WIFEV......\$19.95



#### **Minispot Accessories**

Diffuser (#7801) PG2104.....\$14.95 Snoots, set of 2 (#7802) PG2106.....\$34.95

Barn Doors (# 7804) PG2108.....\$42.95

Prices are subject to change.

#### SMITH-VICTOR



With integral baffles and vents for excellent heat dissipation and cooler operation!

SV3812 ......\$49.99 A100 Light w/10" Reflector

**A120 Light w/12" Reflector** Yields 60° beam when used with 500w/ECT lamp. UL listed.

A160 Light w/16" Reflector Yields 60° beam when used with 1000w/ECV mogul base lamp.

SV3820.....\$139.95

SV3816.....\$59.99

PL Studio Lights (B)

Features 55% greater light output than ordinary wire-brushed reflectors.

PL12 Light w/12" Reflector Yields 60° beam when used with 500w/ECT photo lamp. UL Listed. SV3860.....\$69.99

PL10 Light w/10" Reflector Yields 50° beam when used with 250w/ECA photo lamp. UL Listed.

SV3865 ......\$64.99
PL8 Light w/8" Reflector
Yields broad 100° beam when used with

500w/ECT photo lamp. UL Listed.

SV3870 ......\$64.99

#### PL and Ultra Cool Barn Doors

2-leaf barn doors with rolling rim mounts.
BD50 fits A5, A50
SV4313\$27.79
BD80 fits A8UL, A80, PL8
SV4315\$33.39
BD100 fits A10UL-A, A10UL, A100, PL10
SV4317\$37.89
BD120 fits A12UL, A120, Q120, Q125,
PL12
SV4319\$43.99
BD160 fits A160
SV4321\$63.69

For Lamps & Tubes see page 54

#### **Economical Portrait Lighting**

Smith-Victor's K6R Portrait Kit (shown above) offers 1250 watts of lighting power at a budget-oriented price. This kit contains Smith-Victor's economical standard Adapta-Lights which are equipped with 660 watt phenolic sockets, 10' cords, heat-free handles and ¾" stand mounts. Includes the following:

- One A5 5" reflector, socket and cord assembly
- Two A10UL 10" reflectors, sockets and cord assemblies
- One 250w 3200° K photo lamp
- Two 500w 3200°K photo lamps
- Three S7 6' steel stands
- Storage and carrying case.

SV3515 .....\$169.95



#### **Quartz Lights**

#### Model 700SG

600 watt flood featuring a broad, even 40° beam

pattern. At a distance of 15' it produces a light intensity of 50 foot candles with a beam diameter of 13'. Features 10' two-wire cord, universal ¾" to ¾" mounting and etched aluminum reflector. Weighs only 1 lb. 2 oz. Supplied with a 75 hour, DYH lamp rated at 3200° K.

SV3917 (C).....\$71.09

#### Model 765-SG

For a complete selection of barn doors and other accessories call 1-800-CALUMET.



#### Location Kits

#### K83 1500 Watt Photoflood

Includes three 500 watt A80 ultra cool studio lights, three ECT lamps, three S5 four leg 6' steel stands, light and stand case.

SV3520.....\$250.95

#### K82 1000 Watt Photoflood

Two-light version of K83.

SV3521.....\$169.95

#### K2RA 1800 Quartz

Includes three 700SG quartz lights, three 600 watt DYH lamps, three S6R 6' stands, and carrying case. (18" x 12" x 6"). Ideal for video.

SV3501.....\$259.95



#### **Broad Lights**

These economical quartz broad lights are compact and

constructed of aluminum for cool operation. They provide rectangular, flat, even fill illumination over large areas.

#### Model 770

At a distance of 15' produces a light intensity of 31 foot candles with a beam of 22' (w) x 16' (h). Mounts to %" and %" stands and weighs 2 lbs.

(Requires 600w DYH lamp.)

SV3970 (E).....\$91.39

#### Model 750SG

At a distance of 15' produces a light intensity of 50 foot candles with a beam of 19' (w) x 17' (h). Permanently attached 4-leaf barn doors. Large insulated handle for easy adjustment. 10' 3-wire grounded cable with in line switch. %" and %" mounting. UL listed. (Requires 1000w FHM lamp.)

SV3992 .....\$168.95

Single Scrim for 750 SV3952 .....\$14.49

#### FLASHTUBES & BULBS

						Car	oho Ela	a L					
	85-77-11				14 10		obe Fla	SII	100				
Balcar					Monolites	•				Speedot	ron Brown Li	10	
Current St	yle Head	s (Made	after 1990)		Flash Head Monolite 200	Flash Tube BW1550	the state of the s	Modeling Lamp	<b>Price</b> \$4.25	Flash Head	Flash Tube Price	Modeling Lamp	
Flash Head	Flash Tube	Price	Modeling Lamp	Price	Monolite 400	BW1550		WI212 WI213	\$3.75	M11Q	SB1612 \$99.95	150w/ESP WIESP	445
	r 2 - BF30453	\$182.00	250w/BF30409	\$35.00	Monolite 800B	BW1550		WI213	\$3.75	M11 M90Q	SB1620 \$54.95	150w/ESP WIESP	
	r 2 - BF30453	\$182.00	250w/BF30409	\$35.00	Monolite 4000	BW1552		WI213	\$3.75	M90Q M90	SB1602 \$81.95 SB1615 \$21.95	25w SB3515 25w SB3515	
Bi-tube Heads	2 - BF30455	\$365.00	250w/BF30409	\$35.00	Monolite 9000	BW1554	\$80.39	WI213	\$3.75	MW3UQ	SB1602 \$81.95	150w/ESP WIESP	
Aini-Z1 Aini 72	BF30451 BF30452		150w/BF30410 150w/BF30410	\$35.00 \$35.00	Monolite 15000	BW1554	\$80.39	WI213	\$3.75	MW3R	SB1615 \$21.95	60w SB3520	
Mini-Z2 Mini-Jr.	BF30457	\$81.89	150w/BF30410	\$35.00	Monolite 24000	BW1558	\$155.95	WIESS	\$18.95		1000.0011		
Monobloc 3 1 o		\$135.00	150w/BF30410	\$35.00							Tungste	n*	
	r 2 - BF30449	\$135.00	150w/BF30410	\$35.00	Comet	9 7 8 6 74	UKS.I -						7 0 7 1 7
Pencil Light 1 o	r 2 - BF30453	\$182.00	250w/BF30409	\$35.00	Flash Head	Flash Tube		Modeling Lamp	Price	Calumet	Tungsten		
Old Style	Heads (N	lade hef	ore 1990)		CX-2411	CM40/0	\$180.95	250w** WIESS	\$18.95	Light Unit	Watts/ANSI Code	Item No.	Price
lash Head	Flash Tube		Modeling Lamp	Prico	_					2000w	2000w/FEY	WIFEY	\$74.95
I-Head	BF30401	\$126.00	250w/BF30409	<b>Price</b> \$35.00	Dyna-lit	<b>e</b>				Mini-Flood	1000w/FHM	WIFHM	\$18.29
i-tube Heads	2 - BF30401	\$126.00	250w/2 - BF30409	\$35.00	Flash Head	Flash Tube	Price	Modeling Lamp	Price		750w/EJG	WIEJG	\$20.89
Ainibloc		\$126.00	150w/BF30410	\$35.00	2040 Blower		\$139.95	250w/ETB WIETB	\$24.19		500w/FDN	WIFDN	\$17.89
Nonobloc (1, 2)	BF30402	\$126.00	150w/BF30410	\$35.00	Mini Head		\$119.95	150w/ETF WIETF	\$16.69	650w	650w/FAD	WIFAD	\$16.95
S-U2, PS-U3, PS-		\$126.00	150w/BF30410	\$35.00	Bi-Tube Blower		\$179.95	250w/ESS WIESS	\$18.95				
encil Light	BF30402		150w/BF30410	\$35.00	Quad Head	N/A		250w/ESS WIESS	\$18.95	Lowel			
					M2000 Quad Hea	d N/A		250w/ESS WIESS	\$18.95		W (ANGLE !		
alumet										<b>Light Unit</b> Tota-light	Watts/ANSI Code	Item No.	Price
					Norman					roiu-ligiti	500w/FDN 750w/EJG	WIFDN WIEJG	\$17.89 \$20.89
Series-2 (1	110 volt)				Series 450	AND STATE					1000w/FHM	WIFHM	\$18.29
lash Head	Flash Tube	Price	Modeling Lamp	Price			rosin H. L.			Omni-light	420w/EKB	WIEKB	\$19.95
tandard (3000 w	v/s) CE2359	\$179.95	250w/EYH WIEYH	\$18.95	Flash Head	Flash Tube NR2090	\$24.95	Modeling Lamp	Price	g	600w/DYS	WIDYS	\$16.95
		****	600w/DYH WIDYH	\$19.95	LH2, LH2K	NR2070 NR2091 (UV)	\$35.95	_	_		650w/EKD	WIEKD	\$22.19
pot-Lite		\$209.95	100w/EFP WIEFP	\$19.59	LH4	NR2090	\$24.95	25w SB3515	\$2.95	dp light	750w/EHF	WIEHF	\$38.95
inear : T. L.	CE7037	\$159.95	625w CE2344	\$39.99		NR2091 (UV)	\$35.95	25W 3B0313	-		1000w/FEL	WIFEL	\$29.95
i-Tube ircular	CE7050/52 CE7007	\$149.95 \$209.95	250w/EYH WIEYH	\$18.95			Q03.73			Softlight 2	500w/FDF	WIFDF	\$17.09
encil-Lite		\$199.95	n/a n/a		Series 500					6.1	750w/EJG	WIEJG	\$20.89
		21/1./3	11/4		Flash Head	Flash Tube		Modeling Lamp	Price	v-light	500w/GDA/3150°K	WIGDA	\$18.99
Series-2 (2	220 volt)				LH4	NR2191	\$37.29	25w SB3515	\$2.95	Pro-light	250w/GCA	WIGCA	\$21.95
lash Head	Flash Tube	Price	Modeling Lamp	Price	LH500	NR2190	\$68.69	150w/ESP WIESP	\$16.95	i-light	100w	LW1032	\$7.49
tandard (6000 w	A CONTRACTOR OF THE PARTY OF TH	\$269.95	600w CE2503	\$29.99	Series 900	)							
near	CE7037	\$159.95	625w CE2345	\$39.99	Flash Head	Flash Tube	Price	Modeling Lamp	Price	Arri			
raveller					LH2000, LH2400	NR2290	\$132.95	150w/ESP WIESP	\$16.95	Light Unit	Watts/ANSI Code	Item No.	Price
lash Head	Flash Tube	Price	Modeling Lamp	Price		NR2291 (UV)	\$137.95	150w/ESP WIESP	\$16.95	300W Fresnel	300w/FKW	WIFKW	\$38.49
ompact	CE2920	\$219.95	250w/110v 0L1000	\$21.99	LH4000	NR2293	\$208.95	150w/ESP WIESP	\$16.95	650W Fresnel	650w/FRK	WIFRK	\$38.59
			250w/220v CE2999	\$36.99						1000W Fresnel	1000w/EGT	WIEGT	\$41.95
an-Cooled	CE2921	\$219.95	250w/110v 0L1000	\$21.99	Photoge	nic				2000W Fresnel	2000w/CYX	WICYX	\$64.95
encil-Lite	CE2922	Call	250w/ESS WIESS	\$18.95	Flash Head	Flash Tube	Price	Modeling Lamp	Price				
near	CE2923	\$99.95	300w/EHM WIEHM	\$6.20	Powerlight 600	PG2357		150w/ESR WIESR	\$14.95	Photoge	nic		
i-Tube	2 - CE2924	\$99.95 ea.	250w/EYH WIEYH	\$18.95	Porta-Master 250		\$53.95	150w/ESP WIESP	\$16.95				4887
Series-1					Porta-Master 400		\$53.95	150w/ESP WIESP		Light Unit	Watts/ANSI Code	Item No.	Price
lash Head	Flash Tube	Price	Modeling Lamp	Price				1 000000		Minispot	200w/FEV	WIFEV	\$19.95
Standard Head 1	CE2346	\$149.95	600w/DYH WIDYH	\$19.95	Sunpak						The state of the s	1. UU1 UEURU	
Standard Head 2		\$199.95	600w/DYH WIDYH				mistere			Smith-V	ctor		
Bi-Tube 1 (one ea.			600w/DYH WIDYH		Flash Head	Flash Tube		Modeling Lamp	Price	linhe Ilnie	Watts/ANSI Code	Item No.	Price
	1 - CE7036		,		MS-2000		\$98.59 \$98.59	150w/ETH WIETH	\$19.89	<b>Light Unit</b> 710SG Quartz	600w/DYH	WIDYH	\$19.95
					MS-4000/2400	200093	\$70.37	150w/ETH WIETH	\$19.89	720SG Quartz	1000w/FBY	WIFBY	\$33.95
Prolites by										Q60SG Quartz	600w/DYS	WIDYS	\$16.95
Flash Head	Flash Tube		Modeling Lamp	Price	Speedot	ron Bla	ick Line			700SG Quartz	600w/DYH	WIDYH	\$19.95
rolite 41A	BW1502		150w BW1600	\$18.29	Flash Head	Flash Tube		Modeling Lamp	Price	760 Quartz	600w/DYH	WIDYH	\$19.95
rolite 41 rolite 60	BW1502 BW1504		250w 0L1000 250w 0L1000	\$21.99 \$21.99	102		\$109.95	250w/ESS WIESS	\$18.95	770 Broad	600w/DYH	WIDYH	\$19.95
rolite 82	BW1504		250w 0L1000	\$21.77		SB1556 (UV)			3,977.7.	750SG Broad	1000w/FHM	WIFHM	\$18.29
olite 100	BW1504		250w 0L1000	\$21.77	103		\$99.95	150w/ETC WIETC	\$14.95	740SG Broad	650w/FBX	WIFBX	\$25.99
rolite 120	BW1508		600w/DYH WIDYH			SB1558 (UV)		000/500 111500	¢10.05	Ultra-Cool A50	250w/ECA	WIECA	\$3.60
oyager	BW1504	\$89.95	250w 0L1000	\$21.99	104 (1200w/s)		\$81.95	250w/ESS WIESS		Ultra-Cool A100	250w/ECA	WIECA	\$3.60
lono-Spot	BW1520		100w WIEFP			SB1603 (UV)		250w/ESS WIESS	\$18.95	Ultra-Cool A80	500w/ECT	WIECT	\$4.65
					104 (2400w/s)			250w/ESS WIESS	\$18.95	Ultra-Cool A120	500w/ECT	WIECT	\$4.65
				000-00	105		\$174.95	250w/ESS WIESS	\$18.95	Ultra-Cool A160	1000w/ECV	WIECV	\$17.95
			44 1 1	Dutas	106	201200	\$199.95	250w/ESS WIESS	\$18.95	PL12 Light	250w/ECA	WIECA	\$3.60
lash Head	Flash Tube		Modeling Lamp	Price			\$220 OF	250w /ECC WIECC	\$10.00				CA 15
Travelites Flash Head ravelite 250	BW1500	\$49.95	0L1000	\$21.99		SB1562 (UV)		250w/ESS WIESS	\$18.95	DI 10 1:-L-	500w/ECT	WIECT	\$4.65
lash Head		\$49.95		\$21.99	202 VF	SB1562 (UV)	\$119.95	250w/ESS WIESS 250w/EYH WIEYH 250w/EYH WIEYH	\$18.95 \$18.95 \$18.95	PL10 Light PL8 Light			\$4.65 \$3.60 \$3.60

**When used with CL-1250 Power Pack

*All lamps are 3200°K color temperature unless indicated.



#### ROSCO FILTERS



#### Roscolux 20 x 24" Filters

These polyester filters offer creative and corrective options to your lighting arsenal. Call for more listings. *Note: minimum order - three (3) filters per item number.* 



#### **Rosco Cinegel Sampler Kit**

This all-purpose sampler contains fifteen (15) Rosco light control materials for the creative photographer. Included are materials for diffusion, reflection, color effects and mixed-light color correction (strobes, tungsten, "hot lights," or cool white fluorescents.

10 x 12" Cinegel Sampler Kit	
RC1005	\$29.99
20 x 24" Cinegel Sampler Kit	
RC1004	\$69.95

#### **Rosco Color Effects Kit**

This creative color kit includes ten color filters. These deep-dyed polyester "cinecolor" filters feature color which is fused into its base, and cannot be scratched off. Because a heat-resistant base is used, Rosco Filters can be used with tungsten, as well as studio strobe lights. Rosco Colored Filters can be used to effectively produce a rainbow of color backdrop hues, or "Chromazones"®, as taught in the Finelight Commercial Lighting Seminar Series. Filters included are: Blue, Gold, Purple, Green, Yellow, Red, Magenta, Pink, Violet and Orange.

10 x 12" Color Effects Kit	
RC1000	\$29.99
20 x 24" Color Effects Kit	
RC1001	\$47.99

#### Rosco Diffusion Kit

Kit includes thirteen  $10 \times 12$ " or  $20 \times 24$ " Rosco diffusion materials. These filters help control the character of the lighting in a set or scene. A complete range of diffusion effects is offered in closely graded steps.

10 x 12" Diffusion Kit	
RC1020	\$29.99
20 x 24" Diffusion Kit	
RC1021	\$62.95

#### **Rosco Thermashield**

Coated clear film placed between light and filter frame drastically reduces heat and greatly extends life of Roscolux filters.

12 x 12"	RC6200	\$23.95
20 x 24"	RC6201	\$49.95

#### **Rosco Color Correction KIt**

This kit for mixed light scenes contains seventeen light absorbing filters which, when used alone or in combinations make it possible to balance any light source to any reference. Includes five grades of amber, five of blue, three of green, three of magenta and one filter for fluorescents.

10 x 12" Color Correction RC1015	
20 x 24" Color Correction <b>RC1016</b>	

#### **Rosco Matte Cinefoil**

Black Cinefoil virtually soaks up light – perfect for eliminating unwanted shadows. Black/White Cinefoil is matte black on one side and matte white on the other, which reflects light efficiently. Can be shaped to form reflectors of any configuration.

24 x 25" Black Cinefoil <b>RC5024</b>	\$24.99
12 x 50" Black Cinefoil RC5012	
24 x 25" Black/White Cir RC4930	nefoil
12 x 50" Black/White Cir RC4933	

#### FREE Roscolux Swatchbook

(ZZRC004)

Call 1-800-CALUMET(1-800-225-8638) for a free Roscolux Swatchbook, with colored, corrective and creative filters.

20 x 24" Filter	Item Number	3-piece Price (ea.)
UV Filter	RC2000	\$4.95
#02 Bastard Amber	RC5002	\$4.95
#06 No Color Straw	RC5006	\$4.95
#08 Pale Gold	RC5008	\$4.95
#09 Pale Amber Gold	RC5009	\$4.95
#10 Medium Yellow	RC5010	\$4.95
#11 Light Straw	RC5011	\$4.95
#12 Straw	RC5132	\$4.95
#15 Deep Straw	RC5015	\$4.95
#21 Golden Amber	RC5021	\$4.95
#23 Orange	RC5023	\$4.95
#26 Light Red	RC5026	\$4.95
#27 Medium Red	RC5027	\$4.95
#30 Light Salmon	RC5039	\$4.95
#44 Middle Rose	RC5044	\$4.95
#47 Light Rose Purple	RC5047	\$4.95
#48 Rose Purple	RC5048	\$4.95
#49 Medium Purple	RC5049	\$4.95
#58 Deep Lavender	RC5053	\$4.95
#60 No Color Blue	RC5060	\$4.95
#61 Mist Blue	RC5061	\$4.95
	Item	3-piece
20 x 24" Filter	Number	Price (ea.)
#65 Daylight Blue	RC5065	\$4.95
#67 Light Sky Blue	RC5067	\$4.95
#68 Sky Blue	RC5068	\$4.95
#80 Primary Blue	RC5080	\$4.95
#85 Deep Blue	RC5085	\$4.95
#89 Moss Green	RC5089	\$4.95
#92 Turquoise	RC5092	\$4.95
#93 Blue Green	RC5093	\$4.95
#97 Light Grey	RC5097	\$4.95
#99 Chocolate	RC5099	\$5.25
#105 Tough Spun	RC5105	\$5.50
#106 Light Tough Spun	RC5106	\$5.50
#111 Tough Rolux	RC5111	\$5.50
#809 Straw	RC5132	\$4.95
#818 Orange	RC5025	\$4.95
#819 Orange Amber	RC5029	\$4.95
#863 Medium Blue	RC5076	\$4.95
#871 Light Green	RC5088	\$4.95
#3402 N3 (-1stop)	RC5404	\$4.95
#3401 Sun 85	RC5405	\$4.95
#3202 Tough Blue	RC5406	\$4.95

#### SPECIAL EFFECTS

#### R O S C O F O G S Y S T E M S

These products are specially designed for photographic, film and theatrical applications. Each has been thoroughly tested by the manufacturer for both safety and effectiveness.

#### Rosco Model 1500 Fog/Smoke Machine

The Model 1500 produces continuously variable smoke, allowing you to design the smoke effect you need. An external tank allows fluid to be pumped from any container, from the standard one-liter bottle to a gallon bottle, for unlimited operation without interruption. Comes w/remote control module and 6' power cord. UL Listed.

#### RC6000.....\$667.95

#### **Model 1500 Accessories**

Carry Case RC6005 ...\$244.95 Hose Adapter RC6010 ....\$21.99 Ducting Hose RC6015 ....\$30.59 Chiller RC6013 ....\$399.95

#### Rosco Model 1000 Fog Machine

For Dramatic Fog Effects!

#### Rosco Fog/Smoke Fluid

Using FDA-approved chemicals, this fluid produces a dense, realistic smoke which is nontoxic and non-irritating. Contains no petroleum and leaves no slippery residue.

Fog Fluid (1 gallon) **RC6020.....\$42.95**Fog Fluid (1 liter)

#### RC6025.....\$13.95

Diffuse-It Cloud Spray
Non-flammable, ozone-safe,
odorless and leaves no oily
film. 10 oz. can.
DT5000 ......\$6.99





#### Calumet Jetstream Wind Machine

This variable-speed wind generator will help add motion to your shots.

BW1900 .......\$599.95

**Dulling Spray** 

Eliminates glare or "blind spots" from reflective surfaces, such as glass or stainless steel. Removes easily.

Krylon Dulling Spray (11 oz.) **BR1115 ......\$5.99** 

#### Suspend-It Invisible Wire Kit

This superstrong tungsten
alloy, black photo wire suspends
props and products "invisibly".
Each kit contains 20' rolls of
1 mil thick wire (supports ½ lb.
weight), 2 mil thick wire
(supports 2 lbs.) and 3 mil thick
wire (supports 4 lbs.). Includes
Super-Bonding Adhesive and
Accelerator Dryer, hot melt glue
sticks and 12 clear plastic hooks
w/adhesive backing.

DT5006 .....\$22.89

#### Tacki-Wax

Puts props in their place — and keeps them there! 1 lb. of reusable wax.



BL2701 .....\$9.99



#### **Trengove Ice Cubes**

These hand-made acrylic ice cubes offer long-lasting, realistic effects. Because these cubes are hand-crafted, no two are alike. Plus, they offer more surface cuts than most cubes for that truly authentic look.

1%" Cube IC1000......\$21.95 1%" Cube IC1005......\$21.95 1" Cube IC1010......\$21.95

# Calumet/Trengove Cube Kit With three 1%" Cubes and

one Ice Wedge.
IC3000 ......\$88.95



#### Trengove "Molded Artificial Ice"

Molded 1½" Cubes (1 dozen)

IC1101 .......\$11.69

Molded 1½" Shards (25 pieces)

IC1102 ......\$9.99

#### Trengove "Agua Gel"

#### Trengove "Aqua Frost"

A removable coating used for cold, frosty effects on windows, bottles and other props. This water-soluble concentrate is best applied with a small spray gun or air brush onto glass or plastic surfaces. Additional layers can be applied for a variety of frosted effects. While essentially nontoxic, it should be handled like any paint medium. 6 oz.

IC2020 .....\$27.95

#### Trengove "Crystal Ice"

Chemical granules approximate the look of crystal-clear crushed ice, and are ideal for food spreads which call for a "bed of ice," such as seafood. Not recommended for use in drinks.

6 oz. bottle makes 1 gal. **IC2010 ......\$27.95** 

# Trengove "Floating Soft Ice" Made from a clear synthetic

Made from a clear synthetic rubber, it floats just like real ice. Comes in a bar, and breaks off easily into cubes or crushed ice. IC1020 ......\$29.99

For more Trengove products, see our Essentials Catalog.



# EMAS The Next Generation in **Light Painting** Technology! ▼ Light Source Shutter Assembly The Xenon Hosemaster® II

With this glorious fiberoptic illuminating airbrush, you can ultimately control every stroke of light that touches the subject - with different levels of softness and fall-off. Literally painting with beams of light, you can produce illustrative effects that can't be achieved with conventional lighting methods.

Whether you use the Hosemaster as an auxiliary light source to wrap a highlight around a glossy surface, or as your primary light source to create crisp highlights in some areas, satin highlights in others and enhanced color and

texture overall, the powerful range of this system empowers you to paint with light as subtly or dramatically as you desire. In essence, the Hosemaster invites you to really explore your subject, making it come alive with light.

Hosemaster II features the latest in Xenon fiberoptic illumination (by far the brightest and most powerful in light painting), guaranteed illuminator bulb life minimum of 500-hours and a variable light dimmer for stopping down the light output without changing the color temperature.

#### **Basic Hosemaster Package**

Includes light source with super bright Xenon lamp, 15' fiberoptic hose, 13 plastic masks, diffusion mask, three gel holders, fabric masks for custom shapes, mask belt pack, necessary cords and informational video. Shutter not included.

HM1001 .....\$3795.00

#### Hosemaster Package with 3" Shutter

In addition to the Basic Hosemaster Package, includes 3" shutter with three soft filters, filter assembly, and necessary cables. Sized for medium format camera systems.

HM1003 .....\$4750.00

#### Hosemaster Package with 5" Shutter Same as above, but with 5" shutter. Designed

to handle large view camera systems. HM1005 .....\$5350.00

#### **Hosemaster Accessories**

Eleven Piece Snoot Set	HM1300\$200.00
20" Light Sword	HM1301\$795.00
8" Light Sword	HM1302\$575.00
6x6"Light Paddle, 1/8" grid	HM1303\$575.00
5" Light Skimmer	HM1304\$575.00
4mm Probe	HM1305\$95.00
6mm Probe	HM1306\$95.00

Additional probes sizes available

Rail Mount for 3" Shutter HM1228 .....\$159.95 HM9010 ......\$12.00 Hosemaster Video

For free Hosemaster literature call 1-800-CALUMET. Ask for Item Number ZZHM001.

> The TurboFilter's filter disk is shown here in front of optional 4x5 view

#### **TurboFilter®**

Photo by Aaron Jones

#### Selective Diffusion Effects in Portraits!

The TurboFilter gives portrait photographers the tools to apply three dimensional diffusion effects to people or pets, and to do so selectively, creatively and consistently!

A rotating filtered disk divided into three segments (clear, soft and medium-soft diffusion) spins at 2000 RPM, and is positioned in front of any camera.

A controller (about the size of a power pack) synchronizes the TurboFilter to three monolights or strobe packs, each one corresponding to a different filter segment, and each triggered as its' segment is in front of the lens. The controller is connected to and activated by the camera's shutter. When the shutter is tripped, the three flashes are fired in sequence — all within 1/30 second — and threedimensional diffusion effects are applied instantly to the subject! To rearrange the softening effects, simply switch the filter and light combinations at the controller.

TurboFilter is versatile: working with any format, from 35mm to 8x10, any power pack or monolight flash system, any film or any subject, whether it breathes or not!



HM9020 .....\$6.00

With 3-way diffusion disk, housing, controller, sync, power cables and instructional video. HM5000 .....\$1795.00 Informational TurboFilter Video.



### CALUMET LIGHT STANDS

#### BEST VALUE IN STANDS

hese professional light stands combine high quality craftsmanship with excellent value and savings. Calumet stands offer maximum support with minimal bulk, solid locking capabilities with quickness and ease, and, ultimately, an attractive yet practical asset to any studio or location set.

This impressive selection of stands, for all occasions and lighting needs, is guaranteed to please all photographers. For quick reference, take a look at the comparison chart.

For stands that also come in air-cushioned models, chart specifications for these models are the same as the standard model.

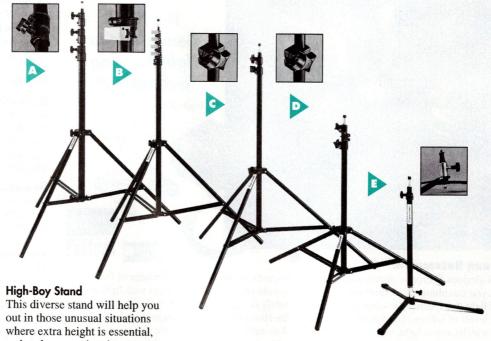
#### **Heavy Duty Light Stand**

Unquestionably a "best buy" for a professional quality light stand. The stand is constructed with black anodized aluminum shafts and enamel finished diecast parts for an attractive appearance. Knobs are oversize for secure locking and easy release. Includes %" stud with %" thread.

MF3400 (A) ......\$79.99

Air-Cushioned
Heavy-Duty Stand
MF3405.....\$89.99





out in those unusual situations where extra height is essential, and at the same time is a great all purpose light support. Comes complete with %" stud and a %" thread. Non-reflective, black anodized surface.

MF3610 (B) .....\$99.99

Caster Set for Heavy Duty and High-Boy Light Stands MF3401.....\$29.99

#### **Compact Stand**

Will easily accommodate virtually any tungsten light or strobe head mounted alone or with a medium size umbrella or light box. Constructed with black anodized aluminum tubing and features oversized, positive-locking knobs and leg support struts. Includes %" stud and %" thread.

MF3505 (C) .....\$44.99

Air-Cushioned
Compact Light Stand
MF3507.....\$54.99

#### Mini-Compact Light Stand

Air-Cushioned
Mini-Compact Light Stand
MF3520.....\$54.99

# Backlite Stand with Extension Pole

This unique and versatile stand features a base-mounting light attachment for extreme low angle lighting. Base attachment is a %" spigot with both ¼ -20 and ¾" threads.

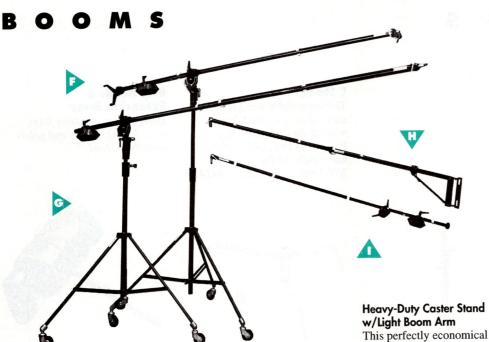
MF3600 (E) .....\$34.99



#### **Calumet Light Stand Comparative Chart**

	Weight	Maximum Height	Minimum Height	Max. Load at Full Extension	No. of Sections	Closed Length
Heavy-Duty Stands	4.7 lbs.	151.6"	42.9"	19.8 lbs.	4	42.1"
High-Boy Stand	4.2 lbs.	204.7"	39.4"	2.2 lbs.	6	38.6"
Compact Stands	2.8 lbs.	98.4"	34.6"	11 lbs.	3	33.9"
Mini-Compact Stands	2.5 lbs.	94.5"	27.2"	8.8 lbs.	4	26.4"
Backlite Stand	2.9 lbs.	33.5"	3.5"	-	2	18.8"
H.D. Wind-Up Stand	35.2 lbs.	97.2"	54.7"	99 lbs.	2	60.2"
3-Section Cine Stand	48 lbs.	128"	56"	26.4 lbs.	3	51"

#### **3-Section Stand with Casters**



#### **Heavy-Duty Remote Control** Boom/Stand

This heavy-duty professional studio boom allows you precision, geared light directional control. Dual drives provide a range of light movements of 180° (in a plane parallel to the boom) and 360° (in a plane perpendicular to the axis). An 8' 10" boom is counterbalanced with an adjustable counterweight, and is attached to a swivel mount with 180° adjustment. A %" stud is provided for flash head attachment.

The black anodized steel stand features smooth gliding casters and is adjustable in height up to 86 1/2". Fully extended, the Calumet Heavy-Duty Remote Control Boom handles light units up to 15 lbs.

MF4440 (F) .....\$359.95

#### Manual Boom/Stand

The same sturdy aluminum construction as the Heavy-Duty Boom, but without the remote control capabilities. Its 3-section pivoting boom arm extends over 8' and comes complete with a 14 ¾ lb. counterweight. A % ' stud accepts most popular lighting units.

The Manual Boom arm is supported by a rugged, twoheight is adjustable up to 86 1/2" MF3620 (G).....\$199.95

section stand which features smooth gliding casters. Stand

#### **Wall Mount Boom**

This convenient studio boom will give you more usable floor space and is one less thing to trip over in a crowded studio. The two-section Calumet Wall Mount Boom features a maximum extension of 82.7" (minimum extension is 47.2") and provides plenty of movement with 160° vertical and 180° horizontal rotation from its swivel mounting bracket. Fully extended, the Wall Mount Boom will handle up to a 9.9 lb. load. A \%" adapter has both 1/4-20 and 3/8" threads to accept a wide variety of lighting units. Comes in a non-reflective black finish.

MF4550 (H).....\$99.95

#### **Light Boom Arm**

Calumet has finally found a solution to the age-old question, "Where can I find a low-priced, sturdy, universal light boom?" The Calumet Light Boom Arm has put that quest to rest! This compact, 3-section, 6' boom arm, with pivoting clamp and 9½ lb. counterweight will fit most standard light stands. It is strong enough to support most tungsten lights and studio strobes with or without a medium size light box.

The Light Boom Arm has a non-reflective, black anodized surface and is constructed of light weight aluminum tubing. It includes a %" stud and %" thread. Three nylon clips are provided to attach your light cable to the boom.

MF3510 (I) .....\$79.99

package is ideal for any studio. Includes Heavy-Duty Stand (MF3400), Caster Set (MF3401) and Light Boom Arm (MF3510) MF0004 (J) .....\$179.95

#### Wind-Up Stand w/Remote Control Boom

Positioning lights is a breeze with this work-efficient package. Includes Heavy-Duty Wind-Up Stand w/casters (MF3663) and Heavy-Duty Remote Control Arm (MF4400)

MF0005.....\$449.95

#### **Heavy-Duty** Wind-Up Stand

Provides a heavy duty crank to raise and lower the boom assembly. Ideal for precise height adjustment of heavier cine lights or light boxes, and as a stand for boom arm. Features universal 1 1/8" socket and 1/8" male stud. Includes caster set. MF3663.....\$379.95

Stand Adapters           Rapid adapter for ¼-20 thread.           BG5001\$7.95
Broncolor Adapter <b>BG5000\$13.95</b>
Mole-Richardson Adapter BG5002\$8.95
Novatron ¾" Adapter <b>NV4046\$7.45</b>
1/4-20 to ¾" Adapter <b>BG5003\$4.49</b>
Calumet ¾" Threaded

MF4701.....\$8.95

Rapid Adapter



#### Mini-Wraps

These versatile 12" x 1" Velcro strips can be used to replace expensive tape for an unlimited number of storing and binding chores. Features a 2" slot that can be hooked to knobs, nails, etc. Package of six. Can be used over and over.

PI2000.....\$19.95



**Shot Bag** 

10 lbs. of lead shot and double sewn black cordura make these weights compact, pliable and virtually indestructable. Wraps or hooks to equipment with a 17" Velcro hook and 10" loop hook on the bag itself.

PI3000.....\$39.95

Specifications are subject to change.

#### MATTHEWS



#### C+ Stand Package

#### FOR STUDIO AND LOCATION

atthews offers a unique line of lighting products for the still photographer. We have selected just a few of the many Matthews stands, holding and positioning accessories and light control devices available. We're sure that you will find these to be not only helpful, but indespensible lighting aids. To fully appreciate the Matthews system, ask us to send you a free copy of their 24-page catalog, "Grip Equipment for the Still Photographer" (ZZMW0001).



#### C+ Stand

#### The Heart of the System!

This heavy-duty, workhorse stand is designed to handle a multitude of support functions, from holding lighting fixtures to positioning scrims and flags. The all-steel C+ Stand features a detachable base with springloaded folding legs for easy portability. For setup, the legs snap securely into place. staggered in height so that they may fit next to, around or under objects. A 40" double riser attaches to the base to provide a maximum extension of 107". While the C+ Stand accepts lighting units with % " mounts, it is often used as a gobo holder when combined with accessory grip heads and extension arms. See package below. The C+ Stand weighs 12 ½ lbs. MW1000.....\$159.95

%" Male Pin Stand Adapter

MW1010.....\$17.99

#### C Stand

This dependable stand is the same as the C+ Stand, but without the detachable base. Extends to 10½', folds to 52½", and weighs 12 lbs.

MW1002.....\$124.95

## Grip Heads & Extension Arms

Designed for attaching flags, dots, fingers, scrims and gobos directly to stand.



#### **Turtle Stand**

This folding base portion of the C+ Stand can be used as a low-angle stand with the addition of a %" Male Pin Stand Adapter.

MW1005......\$99.95



#### **Double Matth Gag**

This versatile "building tool" features two sets of gripping plates which can be independently locked.

MW3005......\$36.09



#### 2½" Grip Head

Designed for attaching flags, dots, fingers and reflectors directly to a stand. This two-sided mounting adapter accepts a ½" or smaller stud on one side, and a choice of ½", ½" or ³s" studs and irregular shapes on the other side.

MW2003......\$24.99



#### Sandbags

15 lb. Sandbag MW2300.....\$18.99

Calumet 15 lb. Black Sandbag (w/out sand)
PI3015......\$13.49
Calumet 25 lb. Black Sandbag (w/out sand)
PI3025.....\$16.49

35 lb. Sandbag (w/out sand)

MW2302......\$18.99

Matth Bag (w/double zipper)

MW2310.....\$29.89

Prices are subject to change.



# Grip Head with 40" Single Extension

Features a %" diameter arm with a grip head on one end for holding gobos and an accessory grip head which mounts arm to stand.

MW1036.....\$56.99

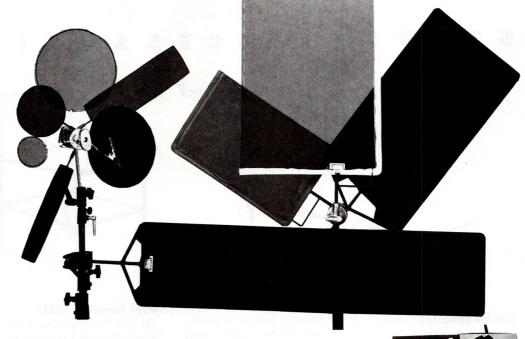
Grip Head with Double Extension Same as above but with an extra 40" long arm for twice the

extension. **MW2005.....\$91.29** 

### **Light Control Devices**

Matthews scrims reduce light output (Singles by 30%, Doubles by 50%) without a change in color temperature to creatively control highlights and shadows. Flags and cutters are opaque devices designed to hold back unwanted light. Dots and fingers reduce light intensity to selected areas and feature long handles to facilitate placement. All mount directly to Matthews Grip Heads or to %" studs adapted with a %" female converter.

12" x 18" Single Scrim <b>MW3018</b>	\$19.89
12" x 18" Double Scrim <b>MW3118</b>	\$23.59
18" x 24" Single Scrim <b>MW3024</b>	\$20.19
18" x 24" Double Scrim <b>MW3124</b>	\$25.59
12" x 18" Flag MW3318	\$22.19
18" x 24" Flag <b>MW3324</b>	
10" x 42" Cutter <b>MW3442</b>	\$40.09
18" x 48" Cutter <b>MW3448</b>	
2" x 12" Single Finger <b>MW3512</b>	\$13.39
4" x 14" Single Finger <b>MW3514</b>	\$14.39



2" x 12" Double Finger <b>MW3522</b>	\$14.39
4" x 14" Double Finger <b>MW3524</b>	\$16.39
3" Single Dot <b>MW3103</b>	\$17.49
6" Single Dot <b>MW3106</b>	\$17.49
10" Single Dot <b>MW3110</b>	\$17.49
3" Double Dot <b>MW3203</b>	\$16.99
6" Double Dot <b>MW3206</b>	\$17.49
10" Double Dot <b>MW3210</b>	\$17.49

3" Solid Dot <b>MW3003</b>	.\$17.49
6" Solid Dot <b>MW3006</b>	\$17.49
10" Solid Dot <b>MW3010</b>	\$17.49
%" Female Converter Sock BG5004	
Open-End Silks 12" x 18" Open-End Silk MW3018	\$19.89
18" x 24" Open-End Silk <b>MW3154</b>	
24" x 36" Open-End Silk <b>MW3153</b>	\$23.99



### **Dot and Finger Kit**

- Pairs of 3", 6", 10", single and double dots
- 3", 6", 10" solid and artificial silk dots
- Pairs of 2" x 12", 4" x 14" single and double fingers
- 2" x 12", 4" x 14" solid and artificial silk fingers
- Durable pouch that protect the entire kit

MW3001.....\$449.95

Rosco Matte **Cinefoils** 

This specially fabricated black or white aluminum is designed to thoroughly absorb or reflect light. Lightweight and durable, this flexible sheeting can be easily molded or shaped to fit your particular application.

24" x 25' Cinefoil RC5024 (Black).....\$24.99 RC4945 (White).....\$24.99 12" x 50' Cinefoil RC5012 (Black).....\$24.99 RC5028 (White).....\$24.99



**Foto Clamp** 

Adjustable rubber-lined jaws attach to %" - 2" round, or 1/16" - 1" flat surface. MW2008.....\$19.95 3 or more (each).....\$18.95

**Snap-in Accessories** for Foto Clamp

Flex Arm/Snap-in MW2026.....\$66.39 Side Arm/Snap-in MW2025 .....\$17.39

%" Snap-in Pin For mounting lights. MW2020.....\$6.30



Standard "C" Clamp

6" clamp with two %" male studs for secure mounts.

MW2110.....\$46.69

Flex Clamp

Holds a wide range of reflectors, gels, etc. Mounts directly to Grip Heads or to Bogen Articulated Arm with adapter (BG5004). MW3000 .....\$8.75

Vise Grip

With %" male stud MW2100.....\$35.29



**Baby Pipe Clamp** 

With %" male stud allows %"-mount lighting fixtures to be hung from horizontal pipes up to 1½" diameter.

MW2105.....\$29.59

### Mounts

3" Straight Wall Mount With %" stud MW2111.....\$11.09 **Right Angle Wall Mount** With %" stud MW2112.....\$15.29



If you shoot small products, the Cambo Shooting Table is the ideal studio accessory for you. This versatile table takes up minimal space (48" x 60" at the base) and breaks down quickly for convenient storage. Requires some assembly.

- Accepts any 4' x 8' Plexiglas, Masonite, Formica or veneer surface (%" is recommended)
- Stabilizer bars at front and back hold shooting surface flat
- Two adjustable side clips hold surface firmly in place

- Extended front angle allows extremely low camera angles
- Adjustable rear portion of frame can be angled to nearly 90° or flat, and locks into position with over-sized levers
- Crossbar/Hooks hold and dispense 41/2' seamless paper
- Rear-mounted locking casters make repositioning the table a breeze
- 32" working height with casters
- UPS shippable

CB0915 .....\$449.95



### **Mini Shooting Table**

The Mini Shooting Table can be wheeled through doorways from room to room on its two rear-frame casters. Yet when location calls, it can be quickly disassembled (by removing only 8 knobs!) and easily transported to the job site. The table weighs only 35.5 lbs. which makes it extremely portable.

The Mini provides a seamless shooting area with a backdrop sweep on its translucent sheet of 27" x 49" Plexiglas. This handy table takes up a mere 27" x 35" of floor space. The front height is 32" and the rear height is 52". CB0920 .....\$349.95



### **LightRight Reflectors**

Perfect for table top photography that requires precise light control. Each card has four reflector surfaces: large and smaller areas, reversible from white to silver.

- Larger, magnetic reflectors allow you to adjust the exact angle needed with no-slip magnetic strips.
- Smaller, non-magnetic reflectors feature friction tabs to vary the angle precisely

### LightRight Set I

Six magnetic reflectors (from 14" x 10" to 7" x 4") and 22 non-magnetic reflectors (from 6 ¾" x 2" to1 ½" x 2") LH1000.....\$44.99

### LightRight Set II

33 non-magnetic reflectors. LH1001.....\$21.99



### Pic Featherlite Stands

Featherlite stands are constructed of sturdy, yet lightweight aluminum and collapse to a compact size. These stands are designed with automatic stops that prevent sections from coming apart, and a top section "arrest" feature that stops it from falling through to the bottom of the stand. Easy-locking, knurled thumb screws are anchored to prevent loss.

Weight	Max. Height	Min. Height	Mounts	No. of Sections	Closed Length	Cat. No.	Price
1.8 lbs.	7'	19	3/4"-7/6"	5	18"	PJ1000	\$59.59
2.1 lbs.	9'	23	¾"-¾"	5	22"	PJ2000	\$65.99
2.3 lbs.	10'	25	3/"-1/1"	5	24"	PJ3000	\$56.69
3.3 lbs.	12'	29	1/2"-1"*	5	28"	PJ4000	579.49
4.5 lbs.	15'	33	½"-1"*	6	32"	PJ5000	\$106.95
	1.8 lbs. 2.1 lbs. 2.3 lbs. 3.3 lbs.	Weight         Height           1.8 lbs.         7'           2.1 lbs.         9'           2.3 lbs.         10'           3.3 lbs.         12'	Weight         Height         Height           1.8 lbs.         7'         19           2.1 lbs.         9'         23           2.3 lbs.         10'         25           3.3 lbs.         12'         29	Weight         Height         Height         Mounts           1.8 lbs.         7'         19         %"-%"           2.1 lbs.         9'         23         %"-%"           2.3 lbs.         10'         25         %"-%"           3.3 lbs.         12'         29         %"-1"*	Weight         Height         Height         Mounts         Sections           1.8 lbs.         7'         19         %"-%"         5           2.1 lbs.         9'         23         %"-%"         5           2.3 lbs.         10'         25         %"-%"         5           3.3 lbs.         12'         29         %"-1**         5	Weight         Height         Height         Mounts         Sections         Length           1.8 lbs.         7'         19         %"-%"         5         18"           2.1 lbs.         9'         23         %"-%"         5         22"           2.3 lbs.         10'         25         %"-%"         5         24"           3.3 lbs.         12'         29         %"-1"*         5         28"	Weight         Height         Height         Mounts         Sections         Length         Cat. No.           1.8 lbs.         7'         19         %"-%"         5         18"         PJ1000           2.1 lbs.         9'         23         %"-%"         5         22"         PJ2000           2.3 lbs.         10'         25         %"-%"         5         24"         PJ3000           3.3 lbs.         12'         29         %"-1"*         5         28"         PJ4000



### **Tony Posing Table**

Height can be adjusted from 30" to 48". Construction of table: plywood covered with black felt. Chrome plated column is mounted on a round iron base. PG2210 .....\$179.95

Tony Posing Table With Casters PG2212 .....\$179.95

### **Pneumatic-Lift** Posing Stool

Adjustment is powered by a gas and oil pressure cylinder controlled by a single lever. PG2221 .....\$59.95



### **Photogenic Posing Stools**

### **Screw-Base Posing Stool**

Allows you to change seat height infinitely between 17" and 24". Constructed of chrome-plated steel and polished cast aluminum and guaranteed for 10 years. PG2217 .....\$79.99

**Vinyl Seat Cushion** PG2225 .....\$16.95



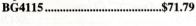
### **Bogen** Mini Background Support

Ideal for location or quick studio set ups. Set includes adjustable background holder crossbar, which will hold up to 9' rolls of seamless, set of two Mini Auto-Poles, two U-hooks and two Mini-clamps.

BG4120.....\$136.95

### **Bogen Mini Auto Pole Set**

Includes two spring-loaded poles which expand from 69" to 131".





### **Savage Polevault Background Stand**

This free-standing support system expands from 4.25' to 8.33' high and 60" to 115" wide. Features a sturdy %" and 1" tubular steel construction with non-tarnish brass finish. Collapsible for compact storage.

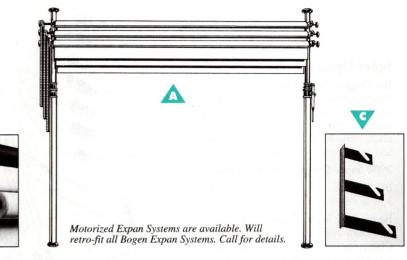
SG2115 .....\$119.95



**Timber Topper®** 

A steel 8" sleeve with built-in spring holds a 2" x 4" firmly between floor and ceiling.

BE1055 .....\$10.99



### Bogen Auto-Poles (A)

The heart of this entire system starts with these adjustable two-section poles, which extend from 6 ½' to 11 ½'. You simply place the pole where you want, raise the top section to the ceiling and, with the Auto-Pole's "lever-action," lock it securely into place. These lightweight aluminum poles form a solid structural support for a wide variety of system accessories that make seamless backdrop setup a breeze. Not recommended for drop-ceilings.

Sold in sets of two only. BG4110 (Chrome).....\$114.95 BG3910 (Black) .....\$124.95

### **Auto-Pole Accessories**

### 1.5-Meter Extension Set

Adds an additional 59" to Auto-Poles or join together and use as a crossbar. Set includes two extension poles.

BG4156 (Chrome).....\$51.95 BG3956 (Black) ......\$56.95

### 2-Meter Extension Set

Adds additional 78" to Auto-Poles or can be joined together and used as a crossbar. Set includes two extension poles.

BG4159 (Chrome).....\$55.95 BG3959 (Black) .....\$61.09

### **Expan Drive Set**

Raise, lower or change seamless backdrops with ease and efficiency with this geared, double-drive core system. Insert the expandable drive units into each end of any cored seamless roll, tighten them and mount the entire assembly on your background holder hooks. A nylon link chain and toothed gears on one side allow you to raise and lower your backgrounds effortlessly. Tension is adjustable. Expan Drive Set also works with uncored paper up to 144" wide. Requires Hook Set.

Set includes two core units, for one roll. BG4150 (B) .....\$49.95

### **Background Holder Hook Set**

Holds three rolls of background paper. May be mounted directly to wall or used with Auto-Pole system (requires Super Clamps). Set includes two hooks.

BG4160 (C).....\$29.95

### Alu-Core

Two telescoping aluminum sections that interlock to permit use of uncored, background paper rolls or canvases.

107" BG4155 .....\$38.95 144" BG4246 .....\$48.09

### **Tripod Bases for Auto-Poles**

Designed to provide a self-supporting, freestanding base for Auto-Poles. Set of two. BG4113 .....\$79.95

### **Bogen Super Clamp**

When used with U-Hook adapters, the Super Clamps will hold backgrounds securely to Auto-Poles and offer easy height adjustment. BG4210 .....\$24.99

**U-Hook Crossbar Holder** 

Plugs into Super Clamp to support background cross poles.

BG4250 .....\$6.50

### Single Crossbar System Package

Economical entry into the Auto-Pole System. Includes 2-Auto-Poles, 1-13' Crossbar, 2-Super Clamps and 2-U-Hooks.

Package Price (Chrome)

BG1000.....\$219.95

Package Price (Black)

BG0005.....\$229.95

### **Expan Auto-Pole System Package**

Holds up to three background rolls for quick set changes. Includes 2-Auto-Poles, 1-Background Holder Hook Set, 2-Super Clamps and 3-Expan Drive Sets.

BG4112 (Chrome System) ......\$299.95 BG3912 (Black System).....\$309.95

### **Super Clamps**

The	Original	Super	Clamp
1116	Or ignitud	JUDEI	Cidilib

These indispensable studio and location accessories can hold just about anything: cameras, lights, umbrellas, hooks, shelves, glass, cross-bars. The sturdy jaws open to 21/4 " and come with 1/4 -20 stud.

### 2900 Super Clamp w/Standard Stud

BG4210	.\$24.99
3 or more (ea.)	.\$22.99

### **Heavy Duty Super Clamp**

The extra-beefy cousin to the classic Super Clamp features all-metal casting and knobs for long-lasting durability. Jaws open to 2½" and includes \( \frac{1}{4} - 20 \) stud.

BG4212	\$29.5	59
--------	--------	----

### **Super Clamp System Accessories** (Shown in illustration above)

2902 U-Hook Cross-Bar Holder	
BG4250	\$6.50
2903 Narrow U-Hook holds plate gla	
BG4251	\$8.95
2904 "I." Bracket Shelf Holder	

2704 L Diacket Shell Holder	
BG4252	\$12.95
2905 Swivel Umbrella Adapter	
ME2420	01600

2906 Extension	Arm extends stud 6"
BG4263	\$17.49

2907 Reverse Short Mounting Stud	
For flush mounting with ¼ -20	
or 3/4" threads	

BG4265	\$4.	95
2908 Standard Stud with 1/4 -20 thread		

BG4214	\$5.49
2911 Single Background Holder	Hooks
BG4216	\$16.95

2913 Joining Stud Joins 2 clamps at60°	
BG4270\$3.	95

Head w/ Platform
\$30.7
\$30.

291 / Johning A	AIIII	
BG4222		\$8.90

2918 Standard Stud w/%" threa	ad
BG4223	\$5.49

BG4223	\$5.49
2921 Background Holder Hooks	

BG4160	\$29.9
2930 Magic Arm w/Camera Platform	Holds

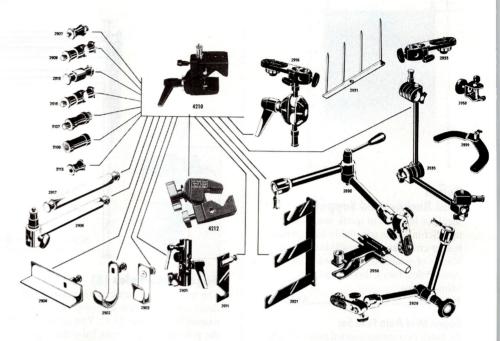
2930 Magic Arm W/Camera Platfor	m Holas
cameras and flash units up to 6 lbs.	
BG4230	\$112.9

DO-230	
2931 Ac	cessory Fork for Magic Arm Holds
form ha	

toain board and other reflectors.	
BG4232	\$17.49

2933 Replacement Camera Platform	for	
Articulated Arm		
D.G.1007	4	_

Articulated Arm	
BG4235	\$7.95



2938 Universal Clamp w/Platform
BG4280\$7.95
2939 Adjustable Base w/%" Socket Fits Magic and Articulated Arms.
BG4240\$25.95
3113 Double Female Stud
BG4172\$3.95
(Following accessories not shown.)

2895 Add-on Super Clamp Socket	
BG4207	.\$8.93
2896 Flex Arm for Super Clamp	

2897 Right Angle Stud	
BG4209	\$5.10

2936	Clip	Clamp

Fits Magic and Articulated Arms and Mi	ni
clamp. Ideal for lightweight materials.	
BG4226\$	10.99

3152 Video Monitor Platfo	rm
3G3958	\$40.19

### **Articulated Arms**

### 2935 Articulated Arm

Three pivot points allow repositioning of small lights, gobos or reflectors when used with optional Clip Clamp. Sections lock independently. Mount stud fits Mini Clamp and is tapped for ¼-20 and ¾" threads. BG4225.....\$30.79

2929 Variable Friction Magic Arm Like the Articulated Arm, but with a lockdown lever than freezes all three joints at once. Holds up to 12 lbs. BG4231.....\$119.95

### **Mounting Accessories**

3294 Suction Grip w/%" Swivel Socket	
BG3979	40.49

2965 Heavy-Duty "C" Clamp	
BG4205	\$84.95
2970 Sky Hook Adjustable Gaft BG4157	
2971 Camera Stud For Sky Hoo BG4158	
2942 Mini Boom Arm w/3 lb. c BG4237	

### **Mini-Clamp System**

### Bogen Mini Clamp

Small yet sturdy clamp attaches to most light stands, tripods and backdrop supports and opens to 11/8". Will accept a variety of mounting studs to attach flash heads, lights or cameras. Perfect accessory for any location kit or studio. BG4220

BU4220	.\$11.95
Mini Clamp w/%" Stud	
All features ¼ -20 and ¾" tips.	
BG4221	\$17.95

### **Mini Clamp System Accessories**

2946 Single Background Holder (Set of	of 2)
BG4247	\$9.95
2947 U-Hooks (Set of 2)	
BG4241	\$9.95
2943 Adjustable Crossbar (Up to 9')	
BG4245	\$44.95
2948 L-Brackets (Set of 2)	
BG4242	\$7.95
2949 Mini Extension Arm	

### BG4243.....\$12.49 Mini Boom Kit

Includes 41" Boom Arm (20mm diameter), Mini Clamp, Mini Clamp with stud and 3 lb. counter weight. BG4125.....\$54.59





### FlexiGrip Pro Kit

This FlexiGrip gooseneck support system for tabletop photographers makes it easy to set up flags, fill cards, dots and fingers and make minor adjustments... fast! Includes two bases (each 6" in diameter), one table clamp (for tables up to 1¾" thick), three grips, one 6", one 13", and three 19" goosenecks. Goosenecks can be connected to extend length.

FG1000.....\$199.95

### **Rubber-Coated** "A" Clamps

You'll find hundreds of uses for these "A" Clamps. These allmetal, spring clamps feature a protective (and easy to spot!) orange plastic covering on handles and clamp tips so they won't scratch metals or cut foam boards, etc.

Size	Item No.	Each	3+
Sm 1"	ME1004	\$2.79	\$2.29
Md 2"	ME1006	\$3.79	\$3.29
Lo 3"	ME1009	\$6.99	\$6.79

### Multidip

A unique double-ended, swivel mounted clip that you can use for holding diffusers, filters, gobos, etc. BW1100 (each) .....\$7.95 3 or more (each) ......\$6.95



### **Shooting Domes**

These Plexiglass® domes provide seamless diffused light from any direction. Perfect for shooting glassware, jewelry, etc. Base diameter: 19½", 8" high.

Light Dome I - Open Top <b>DT6000\$88</b> .	
Light Dome II - Open Side	
DT6005 \$8	2 70

### **Velvetine Backgrounds**

Rich, super-saturated color backgrounds in non-reflective velvetine. Available in 52" x 20 feet long rolls.

Ruby Red SG1006	\$39.95
Midnight Black SG1020	\$39.95
Castle Gray SG1027	\$39.95
Royal Blue SG1058	\$39.95
Emerald Green SG1060	\$39.95
True Burgundy SG1070	



### **Light Tents**

Self-contained tent with white diffusion material and adjustable lens positioning. Folds to 1/3 size.

48" x 60"	HL3555\$116.95
54" x 40"	HI 3550 \$64.79

### Gaffer's Tape

This matte-surface cloth tape offers a wide range of holding and sealing applications. This extra-strong, easy-to-use tape permits clean removal (won't gum up your equipment or props!)



1"	x	60	yds.	
----	---	----	------	--

Black	TA7000	\$6.39
Gray	TA7010	\$6.39
White	TA7020	\$6.39
	re (each)	

### 2" x 60 vds

2 700	yus.	
Black	TA7002	\$12.29
Gray	TA7012	\$12.29
White	TA7022	\$12.29
3 or mo	re (each)	\$11.49
24 or m	ore (each)	\$10.49

### Classic Gaffer's Tape

Provides a waterproof and dirt resistant seal. Allows easy removal at any temperature. Black, 2" x 60 yds.

TA 1000	\$19	99
IAIUUU	······································	•//



### **Tunnel Tape**

Tired of sticky cords, wires, and cables? Tear off a section of this revolutionary and repositionable tape to protect your wires, cables, and cords with a non-sticky "tunnel."

Cover-up Black, 3	" x 40 yds.
TT0001	\$12.49
Safety Yellow, 3"	x 40 yds.
TT0002	\$12.49

### Maskina Tape

maning rape	
This opaque-black matte-finish	h
tape measures 1" x 60 yds.	
TA2000\$7.99	9

### **Double-Face Tape**

Its synthetic rubber/resin adhesive coating is perfect for holding and fastening applications. 3/4" x 36 yds. TA3000 .....\$5.99

### QUICK REFERENCE METER CHART

### **CONTINUOUS LIGHT METERS**

Continuous Light Meters	ISO Range	F-Stops	Shutter Speeds	Type of Cell	Exposure Readout	Battery	EV at ISO-100	Comments	Supplied with:	Item Number	Price
Gossen Luna Pro SBC	0.8 to 100,000	0.7 to 128	1/4000 to 8 hr.	Silicon	Analog Nulling System	9V DU1030	-4 to 17	Full Accessory System Available	Case, Battery, Neck Strap	GS4009	\$232.9
Gossen Luna Pro S	0.8 to 25,000	1 to 90	1/4000 to 8 hr.	CDS	Analog	PX-13 (2) DU3625	-4 to 17	Dual Range	Case, Battery, Neck Strap	GS4002	\$194.9
Gossen NEW Luna Pro Digital	3 to 8,000	1 to 90	1/8000 to 1 hr.	Silicon	LCD	AA (1) DU1000	-2.5 to 18	Full Cine Scale	Case, Battery Neck Strap	GS4022	\$159.95
Minolta Auto Meter III	12 to 6,400	0.7 to 64.9	1/2000 to 30 min.	Silicon	LCD	6V E-537 DU3030	Incident: -2.4 to 19 Reflected: 1 to 22.5	2-Memory Measurement	Spherical Diffuser,Battery, Neck Strap, Belt Case	MN4007	\$184.95
Sekonic L-398M	6 to 12,000	1 to 90	1/2000 to 60 sec.	Selenium Photocell	Analog	None	Incident: 4 to 17	Swivel head ft. candle scale	Strap, Case, High Slide, Lumisphere, disk, -grid	SE4400	\$125.95
Sekonic L-318	3 to 8,000	1 to 90	1/8000 to 30 min.	Silicon	LCD	AA (1) DU1000	0 to 19.9	Swivel Head, Cine Scale	Case, Battery, Lumisphere, -disk, -grid	SE4050	\$179.95

### SPOT METERS

Spot Meters	ISO Range	F/Stops	Shutter Speeds	Type of Cell	Exposure Readout	Battery	Measuring Range at ISO 100	Meas. Angle	Flash/ Continuous	Filter Size	Supplied with:	Item Number	Price
Gossen Ultra Spot	1 to 80,000	1 to 90.9	1/8000 to 60 min.	Silicon	LCD	9V DU1030	Ambi: EV 1 to 22 Flash: f/2.8 to 45	1°	Both	43mm	Case, Battery, Strap, Gray Chart	GS4030	\$541.95
Minolta Spot Meter F	12 to 6,400	0.7 to 90.9	1/8000 to 30 min.	Silicon	LCD	AA (1) DU1000	Ambi: EV 1 to 22.5 Flash: f/2.0 to 90.9	l°	Both	Not Threaded	Neck Strap, Cap, Belt Case	MN4015	\$434.95
Pentax Spot V (&Zone VI Modified)	6 to 6,400	1 to 128	1/4000 to 4 min.	Silicon	Analog	MS 76 (3) DU3076	EV 1 to 19	1°	Continuous	46mm	Case, Batteries, Strap	PX4040 ZN6500	\$349.95 \$450.00
Pentax Digital Spot (&Zone VI Modified)	6 to 6,400	1 to 128	1/4000 to 4 min.	Silicon	LED	PX 28 DU3028	EV 1 to 20	l°	Continuous	40.5mm	Case, Battery, Strap,	PX4050 ZN6501	\$419.95 \$525.00
Sekonic L-778 Dual Spot F	3 to 8,000	0.5 to 128.9	1/8000 to 30 min.	Silicon	LCD	AA (2) DU1000	Ambi: EV -5 to 24 flash: f/.5 to 128.9	1° and 3°	Both	40.5mm	Case, Batteries, Strap	SE4200	\$605.95

### FLASH/MULTIPURPOSE METERS

Flash/Multi- Purpose Meters	ISO Range	Shutter Speeds	Type Of Cell	Exposure Readout	Battery	Measuring Range at ISO 100	Cord/ Cordless	Flash/ Continuous	Supplied with:	Item Number	Price
Gossen Multi Pro	1 to 800,000	1/8000 to 8 Hrs.	Silicon Blue (2)	LCD	9V DU1030	Ambi: EV—2 to 18 Flash: f/2.8 to 45	Both	Both	Case, Battery, Strap	GS4007	\$349.95
Gossen Ultra Pro	1 to 800,000	1/4000 to 8 Hrs.	Silicon	LCD	9V DU1030	Ambi: EV—4 to 18 Flash: f/0.7 to 90	Both	Both	Case, Battery, Strap	GS4005	\$644.95
Gossen Luna Star F	3 to 8000	Ambi:1/8000 to 60 min. Flash:1/1000 to 1 sec.	Silicon	LCD	9V DU1030	Ambi: EV—2 to 23 Flash: f/1.0 to f/90	Both Both	Both Both	Case, Battery, Strap	GS4028	\$289.95
Gossen Luna Pro F	0.8 to 100,000	1/4000 to 8 Hrs.	Silicon	Analog Nulling System	9V DU1030	Ambi: EV—8 to 24 Flash: f/0.7 to 128	Cordless Only	Both	Case, Battery, Strap	G\$4015	\$266.95
Minolta Auto IV F	3 to 8000	Ambi:1/8000 to 30 min. Flash:1/500 to 1 sec.	Silicon	LCD	AA (1) DU1000	Ambi: -2.0 to 19.9 Flash: f/1.0 to 90	Cordless Only	Both	Case, Strap	MN4005	\$289.95
Minolta Flash Meter IV	8 to 6400	1/8000 to 30 min.	Silicon	LCD	AA (1) DU1000	Ambi: EV—2 to 19.5 Flash: f/0.7 to 90.9	Both	Both	Case, Reflector, Adapter	MN4055	\$529.95
Sekonic L-328 Digi Lite F	3 to 8000	Ambi:1/8000 to 30 min. Flash:1/500 to 1 sec.	Silicon	LCD	AA (1) DU1000	Ambi: EV-1 to 19.9 Flash: f/1.4 to 90.9	Both	Both	Case, Battery, Strap, Lumisphere, -disk, -grid	SE4135	\$269.95
Sekonic L-718	3 to 8000	Flash: 1/500 1/8000 to Cont: 30 min.	Silicon	LCD	AA (2) DU1000	Ambi: EV 1 to 18 Flash: f/1.4 to 90.9	Both	Both	Case, Battery, Strap, Lumisphere, disk, -grid	SE4101	\$459.95
Sekonic NEW L-308	3 to 8000	Ambi:1/8000 to 60 sec. Flash: 1/500 to 1 sec.	Silicon	LCD	AA (1) DU1000	Ambi: EV 1 to 19.9 Flash: f/2.0 to 90.9	Both	Both	Case, Battery, Strap,	SE4030	\$219.95

### N 0









**Kodak 18% Gray Card** 

color or b&w photography.

for precise reflective light

The essential metering tool for

This 8" x 10" card can be used

metering, or to assure accurate

KK9760.....\$8.49

color balance in your photos.

### Minolta Color Meter III F

Gives you the professional edge when you work with color film and need consistently accurate color reproduction. The digital Minolta Color Meter III F measures the color, or temperature, of light - either ambient or flash. Appropriate filtration is figured automatically for any of the three major film types: Daylight, Type A Tungsten, and Type B Tungsten. Recommended filtration can be displayed as LB (light-balancing) and CC (colorcompensating) indexes, Wratten filter number(s), or color temperature (based on film sensitivity). If you prefer slightly warmer or cooler exposures, store up to nine correction preferences in memory for later recall. Range: 1600 to 40,000°K. MN4021 (A).....\$949.95

### **Recommended Filter Kit** for Color Meter II & III F

This group of Calumet Professional Filters will get you through many of the most common color corrections. Includes warming filters 81, 81A, 81B, 81C, 81D, 5M, 10M, 20M, 30M, 40M, and cooling filters 82, 82A, 82B, 82C, 80D.

3" Kit LE3000....\$112.95 LE4000....\$199.95 4" Kit 4" Resin Kit LE8000 .... \$499.95

### Flash Receptor for Color Meter II Permits color temperature

readings from electronic flash. MN4022 .....\$409.95 Reversible Receptor Adapter MN4025 .....\$97.89 MA-1 Receptor Extension Cord

MN4024 .....\$106.95

### Minolta Autometer III

Combines the accuracy of a digital readout and the graphic indication of an analog meter. Memory will store up to two exposure readings. Optional accessories convert meter to a versatile reflected and enlarging meter.

MN4007 (B).....CALL

### Minolta Autometer IV F

This extraordinary unit features Brightness Difference, which indicates the EV difference between stored and subsequent readings. Also features exposure averaging-take your shadow and highlight readings, and it calculates your exposure. Measure strobe light with or without a sync cord, and ambient light from 1/8000 sec. up to 30 minutes (continuous metering). Readout is digital, but the LCD panel also has an analog f stop scale.

MN4005 (C) ......CALL

### Minolta Flash Meter IV

Calculate multiple-pop exposures from a single flash burst and read both continuous and flash lighting levels simultaneously. In the latter case, both light levels are shown at the same time, giving you the ability to manipulate the display to achieve an exposure balanced for both light sources. A 5° viewfinder is also available. MN4055 (D) ......CALL

### Minolta Spotmeter F

This versatile meter provides 1° spot readings for both ambient and flash light sources. Its bright, single-lens reflex viewfinder displays exposure information. On the side of the meter are control keys, LCD and analog exposure displays. The Spotmeter F can be used to determine the degree of brightness differences in a scene, calculates highlight and shadow readings or averages the two. Measurements are stored in one of the meter's two memory circuits.

MN4015 (E).....CALL

### **Minolta Meter Accessories**

### **Meter Booster Set**

High sensitivity, reflected-light receptor for through-the-lens light measurement. Produces spot readings on ground glass, measures brightness at the SLR Viewfinder, can do TTL measurement with flash. Includes attachments for spot-probe, eyepiece, microscope, and 35 film plane.

MN4134 .....\$282.95 10° spot attachment MN4050 .....\$101.95 5° spot attachment (Flash Meter IV and Autometer IV F)

MN4060 .....\$120.95 Flat disc diffuser MN4410 .....\$18.99

Mini probe MN4135 ..... \$136.95 4x Diffuser MN4140 ...... \$18.99 8x Diffuser MN4142 ...... \$18.99

Sync Cord (not compatible with Autometer III and III F) MN4144 .....\$29.39

MN4412 .....\$18.99

Spherical Diffuser

19" x 19" WP2035 .....\$11.99



### **Calumet Wraps**

These flat, square, padded fabrics "wrap around" lenses, meters, camera bodies film holders, etc., etc. and are held firmly in place with Velcro strips on all four corners. "Wrapped" equipment can then be safely stored in your camera bag, case, backpack or your coat pocket without the risk of dinging, scratching or damaging your other equipment.

11" x 11" WP2030 ......\$9.95

### SEKONIC





### L-308M Flash Mate

This compact, "palm-sized" meter reads both flash (cord or cordless) and ambient (aperture or EV) light. The L-308M is easy to use, extremely accurately and completely self-contained. Measures  $4\frac{1}{2}$ x  $2\frac{1}{3}$ x".

SE4030 (A) .....\$219.95

### L-398M Studio Deluxe II

Accurate and dependable incident light meter which also serves as a reflected meter with Lumigrid (included). Selenium photocell eliminates the need to replace batteries.

SE4400 (B) .....\$125.95

Slide Set for L-398

SE4410.....\$33.59

### L-718 Digi Master

This multi-purpose exposure meter combines seven different functional modes and a built-in micro computer to provide cumulative flash metering with or without a sync cord. The L-718 operates not only in shutter, but also aperture priority, and provides illuminated LCD readout. Internal memory stores the last two readings.

IS A FULL-LINE DEALER ~

SE4101 (C) .....\$459.95

### NEW

5° Spot Attachment for L-718 **SE4137.....\$105.95** 

### L-318 Digi Lite

### L-328 Digi Lite F

This compact flash meter features LCD display of aperture, shutter speed and ISO, both digital and analog reading on the same scale, direct EV readings, full cine range, cord/cordless operation, and auto-shutoff.

SE4135 (E).....\$269.95

5° Spot Attachment for L-318 and L-328 SE4136.....\$94.29 Boy 50 Barrens and the second second

### L-778 Dual Spot F

This cordless digital spot meter features dual measuring angles (1° or 3°), continuous light metering, and takes flash readings even without a sync cord. If you like, attach a shoemount flash and trigger slaved packs remotely. A film latitude function warns you when consecutive readings are outside your specified film latitude. Illuminated viewfinder has corrective diopter. Dual ISO memory is helpful for switching between Polaroid and film backs. SE4200 (F) .....\$605.95

### PENTAX/ ZONE VI

### **Pentax Spot Meters**

Pentax's portable Spot Meters are ideal for precision exposure metering. Simply view your subject through the SLR-style viewfinder with the small circle over the area to be measured, and squeeze the trigger. Take as many readings as you need of shadow areas and highlight areas to determine the ideal exposure. Spot Meters are perfect for Zone System work and the 1° metering angle makes them ideal for distant subjects.

### **Zone VI Modified Pentax Spot Meters**

These "modified" Pentax Spot Meters provide extremely accurate and critically selective exposure readings, plus greater consistency. Ideal for Zone System applications. Modifications include:

- A series of step-down baffles installed to eliminate flare
- Infra-red absorbant (ultra-black) coating to eliminate reflections
- Four corrective filters (infra-red, ultra-violet and visual range packs) to match meter's spectral response to that of the film
- Superior photo-electric cell
- Calibration of meter to within ¹/6-stop of linearity over their range Meters are tested before shipment and come with Zone System dials.



### **Digital Spot Meter**

This compact, lightweight meter features bright LED readouts and quick response time.

Pentax Digital Spotmeter PX4050 .....\$419.95

Zone VI Modified Pentax Digital Spot Meter

ZN6501.....\$525.00

Holster for Digital Spot Meter ZN6524.....\$24.00



### Spot Meter V

Features bright, easy-to-read SLR-type viewfinder.

Pentax Spotmeter V

PX4040 .....\$349.95

Zone VI Modified Pentax Spot Meter V

ZN6500 ......\$450.00

Holster for Spot Meter V ZN6522 \$24.00





Features both incident and reflected measurement of continuous light. CDS photo cell sensor is extremely sensitive. GS4002 (A).....\$194.95

Luna-Pro Digital

This thin, lightweight digital unit measures incident and reflected light with pro accuracy. Analog scale displays contrast range for multiple readings. Excellent lowlight sensitivity. Auto-shutoff preserves settings and readings. GS4022 (B) .....\$159.95

### **Multi Pro**

Provides flash and continuous readings, brightness range, average readings, aperture or shutter priority and many other functions.

GS4007 (C).....\$349.95

### **Luna Pro SBC**

The Luna Pro SBC was the first meter to feature the Gossen null system of measurement, making possible readout of any light level with no scale switching and direct readout of brightness ranges. Measures both reflected and incident light.

GS4009 (D).....\$232.95

### Luna Pro F

The analog null system of the Luna Pro F gives instant readout of lighting ratios with no calculations necessary. Flash and continuous light metering in a convenient, reasonably priced meter.

GS4015 (E) .....\$266.95

### **Ultra Pro**

Reads both flash and continuous light. Features direct readout of brightness ranges, flash to daylight ratios, and multiple flash requirements from one flash reading.

GS4005 (F) .....\$644.95

### **Ultra Spot**

Features 1° spot metering for ambient, flash and Zone system, plus cine scale readings and filter factors. Features full read-out display in the viewfinder so user can see a complete display of information plus 15° view with 1° circle in the center.

GS4030 (G).....\$541.95



### **Calumet Pouch**

This 11"x 9" Pouch provides excellent shock protection. Made of Dupont Cordura® triple sewn over a ½" high density foam. A fold-over flap provides positive and secure closure with a full 2" wide Velcro Strip.

### **Luna Pro System** Accessories

Variable Angle "Spot"

Attachment

Feature spring-loaded latches. Designed for Luna Pro SBC, Luna-Lux, Luna Pro F, Luna Pro, Multi Pro and Ultra Pro. Manual calibration of accessories may be required.

GS4427 .....\$67.79 **Enlarging Attachment** GS4420 .....\$57.69 Repro/Copy Attachment GS4429 .....\$58.39 Microscope Attachment GS4423 .....\$52.95 Fiber Optics Probe GS4425 .....\$276.95

### **Lung Pro SBC Accessories**

For Luna Pro SBC and Ultra Pro meters, these electronic accessories are calibrated and will automatically program meter response for direct readings.

over a ½" high density foam. A	Luna Color <b>GS4497\$360.95</b>	
fold-over flap provides positive	Luna Probe <b>GS4495\$317.95</b>	
and secure closure with a full	Multibeam <b>GS4492\$491.95</b>	
2" wide Velcro Strip.	Luna Micro <b>GS4493\$63.99</b>	
PI4000\$19.95	Luna Sphere <b>GS4491</b> \$206.95	
	Luna Flash <b>GS4490\$269.95</b>	



These microprocessor-controlled meters analyze flash and continuous light. Provides direct readings of Light Balancing filters in mired values, color conversion and compensating filter values. Both meters handle flash sync times of 1/2 to 1/500 sec., and offer preset or variable input film temperature, with a measuring range from 2000 to 40,000° K. Other features include LCD readouts, integrated triple sensor SPD and cord/cordless operation. Color Pro 2F

GS4045 (H).....\$549.95

Color Pro 3F w/CC filter. lux and lux seconds displays.

GS4050 (I) .....\$769.95

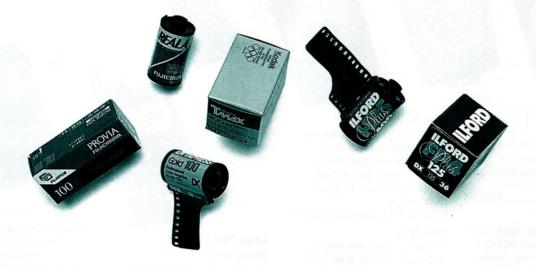
### Luna Star F

This compact, full-featured meter provides reflected and incident readings from both flash and continuous light. Features multiflash calculations, contrast analysis, filter and bellows corrections, rotating head and auto-shutoff.

GS4028 (J).....\$289.95

5° Spot Attachment GS4498 .....\$89.95

# Fresh Rolls Daily.



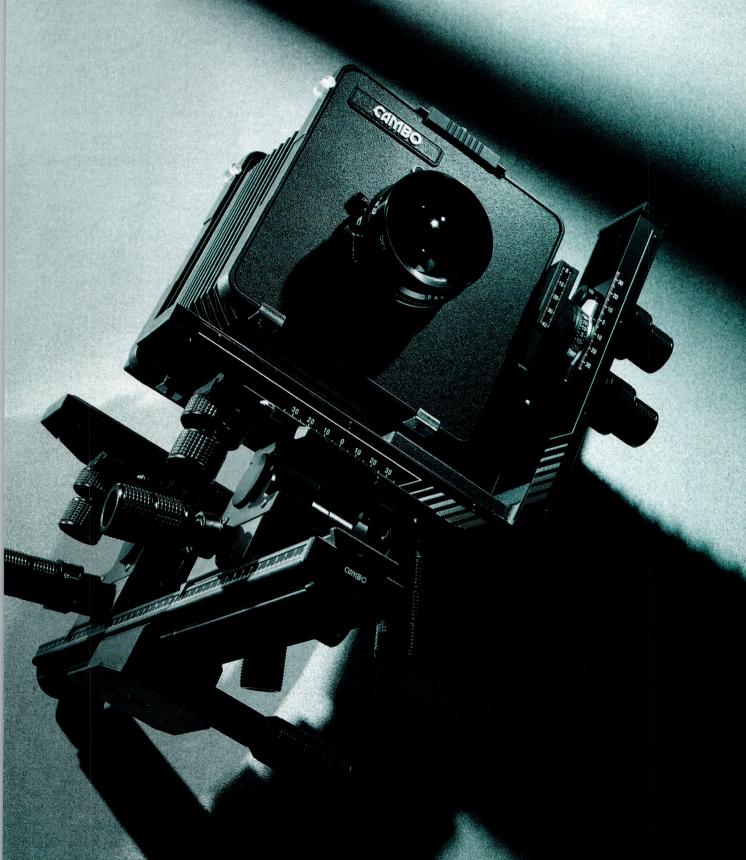
Calumet has rolls and rolls, sheets and packs, bricks and cases, skids and scads of films from Agfa, Fuji, Ilford, Kodak, Konica, and Polaroid. We guarantee in-stock availability on all items listed in our *Essentials Catalog*, same-day shipment on all orders received before 4:00 p.m. (C.T.) and next-day delivery for a nominal upgrade charge of only \$10.95. For a copy of our 64-page *Essentials Catalog*, call 1-800-CALUMET (1-800-225-8638), or stop by the Calumet location nearest you.



You'll find it here.

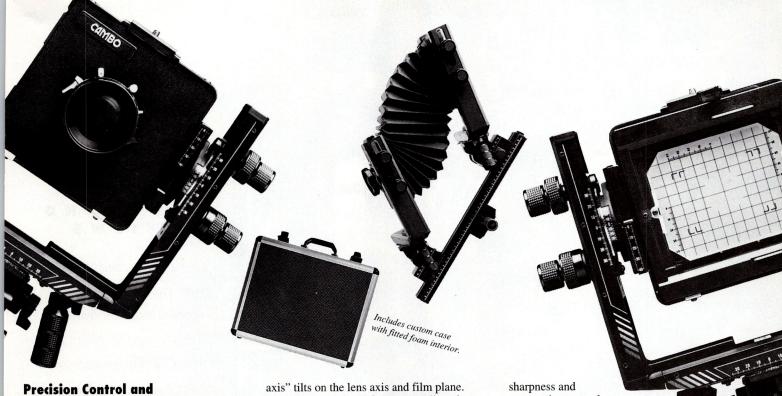
Calumet Essentials Catalog!

Camera



### CAMBO MASTER pc





Precision Control and Rapid Operation

The Cambo Master pc was designed to make the large format studio photographer's work faster and easier. With its refined L-shaped design, precisely measured movements, depth-of-field scale, "yaw-free" base tilts and variable-axis-tilt controls, the Master pc becomes one of the most efficient and precise view cameras available . . . at any price.

Whether you shoot big products on large sets, or detailed close-ups on table-tops, this precision crafted studio view gives you the flexibility to adapt quickly, the control to create freely, and the confidence to excel consistently . . . whatever the challenge. Take a good close look, and see for yourself what a pleasure large format can be.

Only the Master pc performs all of its standard functions with precisely calibrated fingertip controls. Swings, axial-tilts, lateral and vertical shifts and fine focusing are all geared to perfection, and clearly marked for pinpoint accuracy, and repeatability.

The Master pc's unique L-shaped standards are faster and smoother to work with than the conventional U-frame design. With control and lock knobs on one side, the Master pc can be operated rapidly and accurately with one hand, freeing up the other hand to make any counter-moves or focus corrections nearly simultaneously.

Only L-shaped standards offer true "on-

axis" tilts on the lens axis and film plane. There is no need to refocus or readjust the image placement on the ground glass after applying the tilt. This convenient feature will save you precious time and countless steps while achieving your final desired image.

The Master pc's L-frame delivers another innovative advantage with its variable-axistilt control. This unique movement provides two new dimensions in image control: "offcenter-tilts," or the ability to shift the pivot point of the tilt axis on the ground glass, or the lens, to match the composition and/or focal point of your subject, and "focal-planerise," which allows you to shift the placement of the subject on the ground glass without affecting the focus . . . even with the camera inclined.

Like all current Cambo view cameras, the Master pc is equipped with a convenient depth-of-field scale which determines the proper focal point and computes the optimum aperture required for the sharpness range you desire. It figures quickly and accurately, and it's as easy to use as one, two, three.

The Master pc comes standard with a unique 2-section monorail. This convenient feature not only allows the camera to be easily dismantled for storage, or transport in its own custom-fitted carrying case, but it also provides a "built-in" short (10") monorail for wide angle work.

The Master pc's "yaw-free" base tilt is that "one more" movement you need to maintain

sharpness and
perspective control
faithfully, efficiently,
whenever the need does
arise; and you know it will,
when the camera is inclined
and swings and tilts are
combined.

In addition to all of the Master pc's flexible movements, it is supported by one of the most comprehensive accessory systems available to any view camera. From monorail extensions to viewing aids, from extra-long bellows to bellows lens shades, the Master pc has the ability to adapt to any assignment conceivable: be it close-up or architectural, a product or a portrait, strictly scientific or purely artistic.

All things considered, Cambo's Master pc has the range to do it all, the precision to do it right and the controls to do it efficiently.

### Cambo Master pc 4x5

Includes L-frame standards, 2-section monorail and mounting block, interchangeable bellows easy-loading ground glass back and custom-fitted carrying case. (Lens and lensboard not included.)

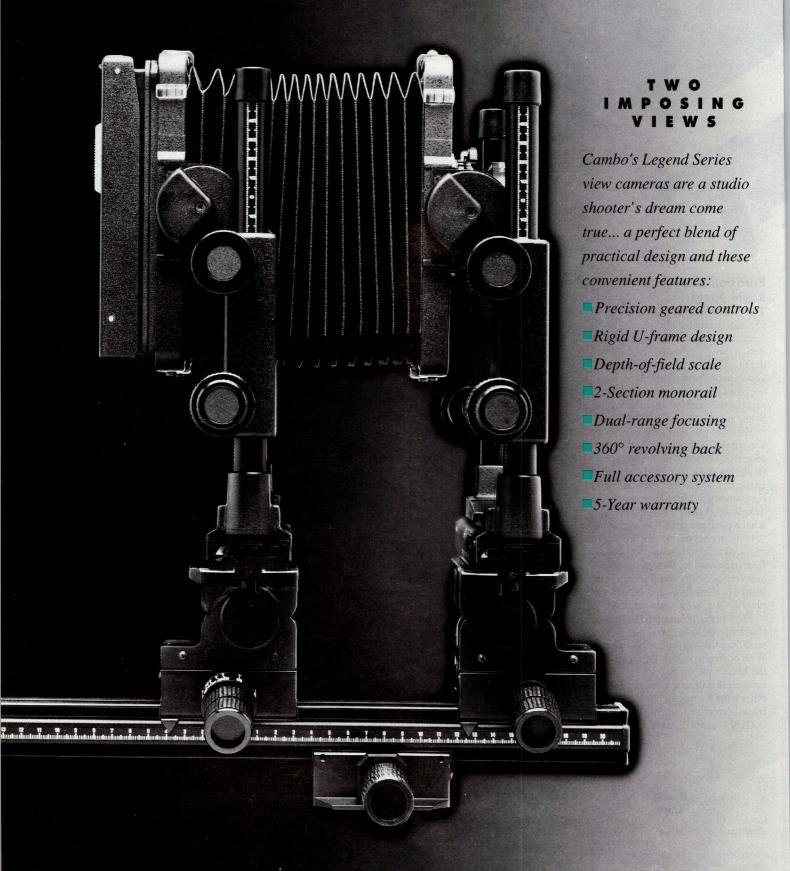
CB4235.....\$279500

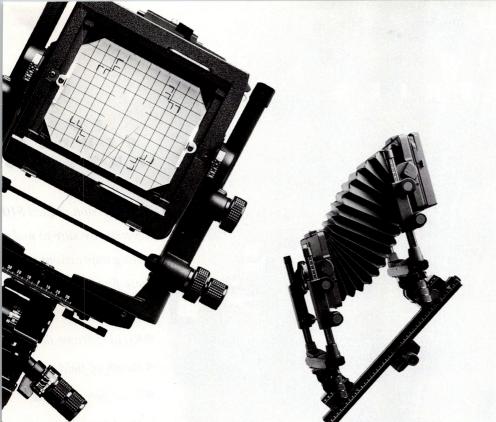
See page 78-79 for dedicated accessories.

	Monorail Length	Bellows Length	Inter- Changeable Bellows	Rise Fall*	Lateral Shift*	Swings	Axial Tilts	Base Tilts	Variable Axis Tilts	Fine Focus	Depth of Field Scale	Type of Back	Weight
Master pc	10" + 6"	21"	Yes	Geared 65mm	Geared 70mm	Geared ±30°	Geared ±35°	Manual	Manual	Geared 70mm	Manual	Reversible	16 lbs.

^{*}Maximum displacement.

### CAMBO LEGEND SERIES







The Legend Series cameras represent a blend of Cambo's 40-plus-years of experience, and their commitment towards a future of advancements in view camera engineering and technology.

These studio view cameras are extremely solid, yet super precise; simply designed with sophisticated controls. They're easy to use if you're just starting out, and have all the right moves for those stepping up.

The Legend Series incorporates one of the most rigid view camera designs ever built. From the bottom of its extruded base, to the top of its double standards, the Legend's allmetal construction will withstand the rigors of daily studio use year after year.

Lateral shifts, rise and fall movements are geared to allow fine tuning the ground glass image to perfection. Scaled calibrations on all controls ensure pinpoint accuracy and repeatability, and each locks firmly in place. For convenient referencing, each of these movements features zero-position detents, and for quick set-ups and accurate representation, bubble-levels are provided at the base of both standards.

The Legend pc features yaw-free base tilts. This can be particularly helpful in controlling the subject's sharpness and perspective when shooting table-top products with the camera inclined.

For high end performance at a good sound price, the Legend offers all of the same features as its pc counterpart, but without the base tilts. A sacrifice, yes, but also a savings in weight, size and dollars.

Like all current Cambo view cameras, both Legends feature a convenient, built-in depth-of-field scale which determines the proper focal point and computes the optimum aperture required to match the sharpness range you desire.

Another standard Cambo feature is its split monorail. This unique 2-section rail allows for convenient storage and travel, plus provides a short (10") section that is perfect for wide angle work.

The Legend Series is also supported by a most comprehensive accessory system, giving it the ability to adapt to almost any large format situation. Choose from add-on monorail extensions or a self-contained extendible rail, wide angle or extension bellows and a host of viewing aids and lens shades.

These key features, coupled with such time-saving conveniences as 360° revolving back and compatibility with the Prontor shutter system, make either Legend a great choice for studio specialists.

### Cambo Legend pc 4x5

Includes U-frame standards with base tilts, 2-section monorail and mounting block, interchangeable bellows, revolving back and ruled ground glass. (Lens and lensboard not included.)

CB4220.....\$199500

### Cambo Legend 4x5

Includes U-frame standards, 2-section monorail and mounting block, interchangeable bellows and revolving back with ruled ground glass. (Lens and lensboard not included.)

CB4115.....\$149500

See page 78-79 for dedicated accessories.

	Monorail Length	Bellows Length	Inter- Changeable Bellows	Rise Fall*	Lateral Shift*	Swings	Axial Tilts	Base Tilts	Fine Focus	Depth of Field Scale	Type of Back	Weight
Legend pc	10"+6"	21"	Yes	Geared 70mm	Geared 70mm	±30°	±35°	Manual	Geared 70mm	Manual	Revolving	16.75 lbs.
Legend	10"+6"	21"	Yes	Geared 70mm	Geared 70mm	±30°	±35°	N/A	Geared 70mm	Manual	Revolving	13.5 lbs.

^{*}Maximum displacement.

### CAMBO 810 LEGEND SERIES

# FOR STUDIO PURISTS The precision crafted 819

The precision crafted 810 Legends are sure to make lasting impressions with these fine features:

- Geared movements
- Rigid U-frame design
- Depth-of-field scale
- 2-Section monorail
- Dual-range focusing
- Full accessory system
- 5-Year warranty

These heavy-duty, 8 x 10 studio views are quite the perfectionists when it comes to control. The 810 Legend pc features yaw-free base tilts to ensure sharpness and shape control over the entire film plane. Rack and pinion rise and fall, shifts and swings make movements smooth and exact. And, a built-in depth-of-field scale yields predictable sharpness every time. The 810 Legend shares each of these features, except for base tilts and front-geared swings.

### Cambo 810 Legend pc 8x10

As shown above, includes interchangeable bellows and bellows support, monorail and heavy-duty mounting block, easy-loading back and ruled ground glass.

(Lens and lensboard not included.)

CB4045.....\$319500

### Cambo 810 Legend 8x10

Includes interchangeable bellows and bellows support, monorail and heavy-duty mounting block, easy-loading back and ruled ground glass.

(Lens and lensboard not included.)

СВ4040.....\$249500

See page 40-41 for dedicated accessories.

	Monorail Length	Bellows Length	Inter- Changeable Bellows	Rise Fall*	Lateral Shift*	Swings	Axial Tilts	Base Tilts	Fine Focus	Depth of Field Scale	Type of Back	Weight
810 Legend pc	30"	28"	Yes	Geared 85mm	Geared 70mm	Geared ±30°	Manual ±30°	Manual	Geared 70mm	Manual	Reversible	24 lbs.
810 Legend	30"	28"	Yes	Geared 85mm	Geared 70mm	Manual ±30°	Manual ±30°	N/A	Geared 70mm	Manual	Reversible	20 lbs.

### A Solid Investment!

Calumet 45NX has been a favorite among both professional and advanced amateur photographers for years. It features full view camera movements, interchangeable bellows, smooth, accurate focusing, 360° revolving back, calibrated monorail and controls, a full accessory system, and backed by Calumet's full one-year warranty. Precision and functional design are two of the things that come to mind when you encounter the 45NX 4x5 camera. Because of its compatibility with the Calumet/Cambo accessory system, it's always ready to grow with you.

### Calumet 45NX 4x5

Includes interchangeable bellows, monorail, 360° revolving back, with ruled ground glass and quick-release mounting block. (Lens and lensboard not included.)

CC4005 .....

### Calumet 45N/NX Wide Angle Package

Includes wide angle bellows, 11.5" wide angle monorail, 4x5 fresnel lens. (Lens and lensboard not included.)

CC4010.....

See page 40-41 for dedicated accessories.





### SPECIAL PACKAG! SAVINGS!!!

### **Large Format Starter Kit**

Get started in large format with this economical camera package special.

- 45N Calumet 4x5 View Camera, with interchangeable bellows, 360° revolving back, ruled ground glass and quick-release mounting block
- 150mm f/6.3 Caltar II-E Lens
- Lensboard, Drilling and Mounting

45N Starter Pkg. **\$79995** 

45NX Starter Pkg. **\$94995 ZX6073**......

Same as above with 45NX

### **Quality-built, All-metal Camera!**

A full-featured, solidly-constructed camera with smooth gliding movements, precise friction focusing large locking knobs, quickrelease mounting block, dual-axis spirit level, and zero-position referencing, Calumet's 45N is built to last a lifetime and includes a 1-Year warranty. Its interchangeable bellows and monorail systems adapt to all shooting situations, and the easy-loading film back revolves 360°. Since all Calumet and Cambo

cameras feature a standardized mounting system for lensboards, bellows and ground glass backs, this camera is ready to grow with your needs with a comprehensive modular system of accessories. Available in our money-saving package (see above).

### **Calumet 45N**

Camera only. (Lens and lensboard not included.)

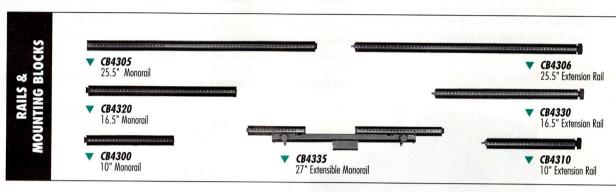
CC4000.....\$54995

	Monorail Length	Bellows Length	Inter- Changeable Bellows	Rise Fall*	Lateral Shift*	Swings	Tilts	Type of Focusing	Type of Back	Weight
45NX	21.25"	21"	Yes	120mm	60mm	±30°	±30°	Friction	360° Revolving	9.3 lbs.
45N	16"	21"	Yes	120mm	50mm	±30°	±30°	Friction	360° Revolving	8 lbs.



FITS CAMBO AND CALUMET

# CAMBO/CALUMET











CB0214 4 x 5 Ruled Ground Glass



**CB0218** 4 x 5 Fresnel Lens



**CB0250** 4 x 5 Super Sharp Screen



8 x 10 Ruled Ground Glass



• **CB0419** 8 x 10 Fresnel Lens



CB0201
 4 x 5 International
 Back Assembly



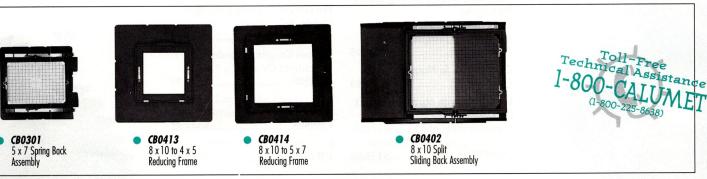
4 x 5 Revolving Back Assembly

# ACCESSORY SYSTEM









# Large Format



### Monorails & Extension Rails

### Cambo Monorails

For Master, Legend Series and 45SR view cameras.

10" Wide Angle Monorail **CB4300 (B).....\$99.99** 

16.5" Standard Monorail **CB4320 ......\$114.95** 

25.5" Extra-Long Monorail **CB4305** ......\$149.95

### Cambo Extendable Monorail

This adjustable-length rail can be extended from 16" to 27"

Requires Extra-Long Bellows
(CB0205) for optimum use.

CB4335 (C) ......\$379.95

### Cambo Extension Rails

These add-on units can be conveniently inserted into the basic Cambo rail for continuous closeup focusing.

7" Basi	c CB4315	\$89.99
10"	CB4310	\$116.95
16.5"	CB4330	\$147.95
25 5"	CR4306	

### **Calumet Monorails**

For Calumet 45NX, 45N, 540, 810N and older Cambo SC Series view cameras.

(CB0205) for optimum use. **CB0411** ......\$99.99

### **Tripod Mounting Blocks**

Cambo Mounting Blocks
Single CB4400 (D) ......\$86.99
Double CB4420 ......\$174.95

### Base Plate with Mounting Blocks for Cambo

Joins two mounting blocks for single tripod mounting.

CB4410 ......\$299.95

Calumet Single Mounting Block CB0526 ......\$74.99

### Base Plate with Mounting Blocks for Calumet



### **Bellows**

For all Cambo and Calumet view cameras.

22" Standard 4x5 Bellows CB0207 (G) ......\$179.95

30" Extra-Long 4x5 Bellows Requires Extra-Long monorail or monorail extensions for full extension.

CB0205 .....\$249.95

28" Standard 8 x 10 Bellows **CB0403.....\$529.95** 

### Wide Angle Bellows

These flexible "bag" bellows are used with lenses 90mm (for 4 x 5) or 210mm (for 8 x 10) and shorter to allow focusing and full camera movements. Made of durable, synthetic materials.

For 4 x 5 **CB0209......\$199.95** For 8 x 10 **CB0405.....\$399.95** 

### Bellows Supports & Coupling Standards

### **Bellows Supports**

For current Cambo Cameras CB4340 .....\$99.95

For current Calumet and older Cambo SC Cameras CB0406 (E).....\$112.95

### Bellows Coupling Standards

For current Cambo 4 x 5's CB4500 ......\$349.95

For current Calumet and older Cambo SC Cameras CB0525 .....\$349.95

For Cambo 8 x 10 Legend **CB4510.....\$369.95** 

### **Lensboards and Adapters**

For all Cambo and Calumet view cameras.

Flat Lensboard **CB0508** .....\$39.99

### Recessed Lensboard

For 90mm or shorter focal length lenses. Places the lens closer to the film plane, while allowing the front standard to remain further away and capable of more image control movements.

CB1508 (F) .....\$59.99

### **Lensboard Adapters**

Mount directly to all Cambo and Calumet view cameras, allowing interchangeable lens use with the following camera systems.

### Calumet 400 Series Adapter

Accepts Calumet 4" x 4" flat lensboards. *Not for use with 4" x 4" recessed lensboards.* 

CB0516 .....\$149.95

### Horseman/Sinar Adapter

Accepts Horseman 450 series and all Sinar boards

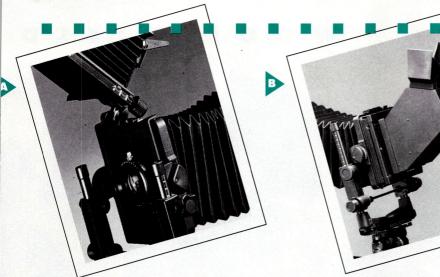
CB0517 .....\$209.95

### Linhof Technika Adapter

Accepts all Technika-type boards, including Woodfield, and Wista. CB0514 ......\$179.95







### **Deluxe Compendium Lens Hood**

### With Adjustable Bellows and Filter Holder!

Specially made for all Cambo and Calumet 4 x 5 and 8 x 10 view cameras, this truly deluxe hood works effectively with most lenses with filter sizes up to 120mm. Its adjustable bellows offers flexible directional control and can be locked securely into any position. The bellows is suspended from a 5½" rod on which it slides in and out from either end to accommodate different size and focal length lenses. (2" extension is now included.) The hood mounts securely to camera's lensboard frame and can be flipped up for easy lens settings and adjustments. Other unique features include a continuously adjustable filter slot for 75, 100 or 125mm framed filters, a metal front plate, which holds magnetic vignetters, and spring clips for special effect filters.

CB0506 (A).....\$399.95

### **Deluxe Hood for Prontor Shutters**

Specially adapted for cameras fitted with Prontor's Aperture and Shutter Setting Devices CB0510 .....\$419.95

### **Binocular Viewing Hood**

### **Easiest, Most Precise Viewing!**

View the entire 4 x 5 image area unencumbered and right-side-up. This most convenient viewing hood is great for composing and focusing your view camera anywhere, but is a particular pleasure if you're working in the field, wearing glasses or with an inexperienced, or unimaginative art director who only sees things right side up. Its bright 1.5X magnification diopters are housed within a rubber hood for comfortable, precise viewing with both eyes (or all four, if you wear glasses).

A sharp, front-surface mirror covers the entire image area, and is easily adjustable so that you are always viewing the brightest possible image, or need to check focus in critical, isolated areas, such as the corners of the frame. For optimum ground glass image brightness, a Fresnel lens is recommended.

CB0225 (B).....\$449.95

### **Reflex Viewing Hood**

### **Compact and Portable!**

This lightweight, monocular. reflex hood allows you to view the entire image right-side-up. It can be quickly mounted to the ground glass back, locking securely into place with a single sliding lever. The hood's unique design features a right angle viewer which rotates 360° to accommodate different camera heights. Look down through it on low camera setups, and look up through it on on high setups without ever removing it from the camera. And, because it is so unobtrusive and so lightweight, it can remain on the camera during film insertion and exposure, always ready for your next composition.

A 2.5X eyepiece enhances both composing and focusing, while an optional Fresnel lens provides the brightest possible viewing over the entire image area. A soft rubber eyepiece helps eliminate extraneous light, adds comfort during use and protects glasses from scratching.

CB0220 (C).....\$249.95

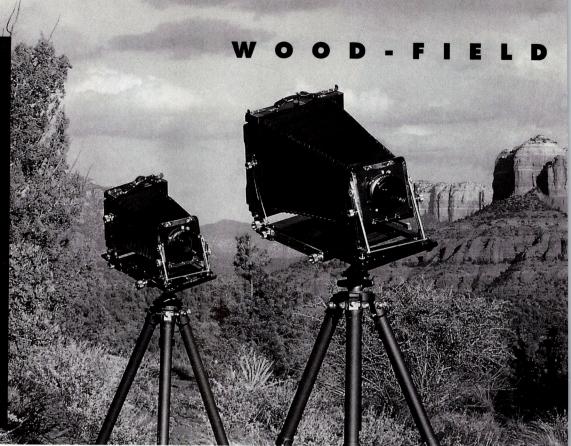








ooden field cameras have a charm, and a presence of their own that is unlike any other type of camera in the history of photography. Whether it's their primal link to the likes of Talbot, Daguerre, Gardner or Nadar; or simply the splendor of their natural beauty that endears them to today's photographers, we can't say for sure. But whatever it is, they seem (continued on page 31)



### COMPACT RUGGED

hether your large format forte is landscape. architecture or portraiture. Calumet's Wood-Field cameras can turn your field of dreams into reality. These high-quality, handcrafted, wooden field cameras are designed to lighten your load, and heighten your pleasures with these fine features:

- Kiln-dried cherrywood body
- Brass trim hardware
- Folding flatbed design
- Full image-control movements
- 1-Year Calumet Warranty

### Calumet 4x5 Wood-Field XM

A beautifully crafted 4x5 that features liberal front and rear movements making it a practical choice for wide angle and closeup applications. Calibrated scales are included on the focusing bed and on the front rise and fall movements, and zero detents are provided on the front and rear tilts. Its 12" bellows extension provides ample focusing range with a 150mm, and 1:1 reproduction ratios with a 135mm lens. The rear standard slides forward 1¾", making it possible to use a 65mm lens.

### Calumet 4x5 Wood-Field XM

Includes camera body with 3/8" grid ground glass/fresnel lens, adjustable hand strap, pleated bellows and 1/4-20 mount. Lens and lensboard not included.

WF1000.....\$69995

### Calumet 8x10 **Wood-Field**

This exciting 8x10 field camera is not only beautiful, but it's also extremely functional and quite economical! The 8x10 Wood-Field gives you plenty of image control for fine-tuning perspective and field-of-focus. With its 480mm focusing range, you can shoot 1:1 close-ups with a 240mm lens, and wide angle landscapes with a 90mm lens and optional 4 x 5 reducing back.

Even with its impressive movements, the folding flat-bed design of the Wood-Field 8 x 10 offers convenient portability for field trips on location.

### Calumet 8x10 Wood-Field

Includes ground glass/fresnel lens, adjustable hand strap, bellows and %" mount. Lens and lensboard not included.

WF2000 .....\$129500

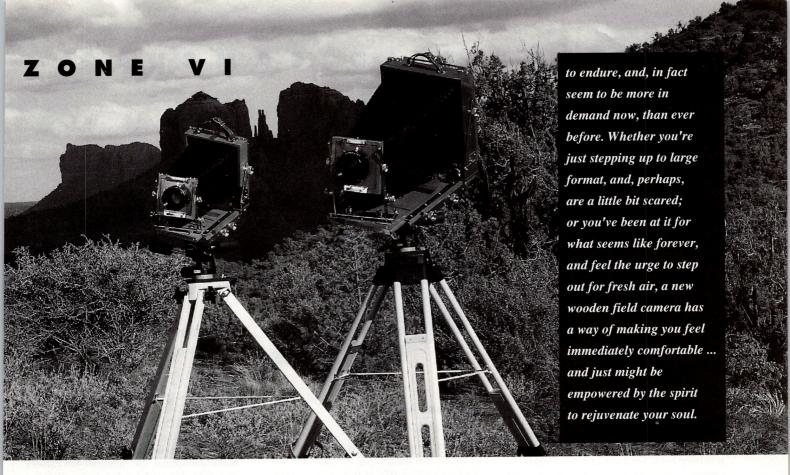
### Wood-Field 8x10 Accessories

Wood-Field Lensboard Adapter for Linhof Technika WF2020 .....\$109.95 8x10 to 4x5 Reducing Back WF2050 .....\$369.95 8x10 Ground Glass/Fresnel lens WF2200 .....\$84.95 Lensboards

For Wood-Field XM WF10100 .....\$39.95 For Wood-Field 8x10 WF2010 .....\$49.95



	Maximum Bellows Extension	Minimum Bellows Extension	Inter- Changeable Bellows	Front Rise/Fall*	Swings (front/back)	Front Base Tilts	Rear Base Tilts	Folded Size	Weight
Wood-Field XM 4x5	12"	2.5"	No	45mm	±12°	±40°	+55° -25°	8" x 8.5" x 3.5"	3.8 lbs.
Wood-Field 8x10	22.44"	3.5"	No	103mm	±17°/ ±5°	+34° -33°	+30° -35°	14" x 12.4" x 4.8"	9.9 lbs.



### PRECISION CRAFTED

hese fine cameras are built to the highest standards of precision, strength and craftsmanship, with many unique field camera features:

- Front shifts and axial tilts unavailable on most field cameras.
- Finest Grade of Hardwoods
- Machined and Polished
   Gold Plated Brass Hardware
- Made in America
- New Easy-Opening Bail Handle Back
- Lifetime Guarantee!

### Zone VI 4x5 Camera

A versatile 4x5, designed for field use, that may well handle most studio assignments. Its liberal movements provide full use of most large format lenses, including many designed for 8x10 coverage. And, its 18" extension allows for full movements, and greater than a lifesize, 1:1 reproduction ratio with a 210mm lens (more than 2:1 with a 120mm). Wide angle work is simplified by utilizing the 11/2" front drop of the camera bed, and by installing the optional bag bellows.

### Zone VI 4x5 Field Camera

Includes camera body, standard bellows, ground glass, adjustable hand strap and ¾" mount. Lens and lensboard not included.

Honduras Mahogany

ZN1001.....\$1395.00

Black Walnut

ZN1003.....\$1395.00

American Cherry

ZN1005.....\$1395.00

76mm

See page 136 for a complete list of the Zone VI Tripods shown above.

Zone VI

8 x 10

the Zone VIT	Maximum Bellows Extension	Minimum Bellows Extension**	Inter- Changeable Bellows	Front Rise/Fall*	Front Lateral Shift*
Zone VI 4 x 5	18"	1.8"	Yes	76mm	36mm

### 5 Camera Zone VI 8x10 Camera

This fine quality field 8 x 10 is identical in design and mahogany construction to the 4x5, except that it does not have — nor does it need — interchangeable bellows. Since its built-in, 34" extendible, bellows can be compressed to 3", it is capable of accommodating even the shortest lenses with full 8x10 coverage.

### Zone VI 8x10 Field Camera

Includes camera body, bellows, ground glass, adjustable hand strap and %" mount. Lens and lensboard not included.

ZN2001 .....\$1995.00

The Tamrac Pro System 624 is the ideal bag for your Zone VI camera and system accessories. See page 144 for a complete description.

### Zone VI 4x5 Accessories

### Zone VI 8x10 Accessories

8x10 to 4x5 Reducing Back **ZN2080 .....\$395.00** 

Fresnel Lens

ZN2030 .....\$129.00

### Lensboards

Specify shutter #0, #1, #3 when ordering.

For Zone VI 4x5 - Mahogany **ZN1010 ......\$35.00** For Zone VI 4x5 - Black Walnut

**ZN1012** ......\$35.00 For Zone VI 4x5 - American

Cherry **ZN1013** ......\$35.00

For Zone VI 8x10 - Mahogany **ZN2010 ......\$50.00** 

	Swings (front/rear)	Axial Tilts	Base Tilts	Rear Base Tilts	Folded Size	Weight
•••	±17°	Unlimited	±45°	±35°	7.75" x 9.5" x 3.75"	<b>6 lb</b> s.
••	±15°/ ±12°	Unlimited	±45°	±35°	13" x 13.75" x 4.75"	13.7 lbs.

### METAL FIELD CAMERAS



### Toyo-Field 45All PRO

### Folding Metal Field Camera!

This versatile 4x5 combines rugged metal construction, folding flat-bed design and precise perspective control movements to create a portable and practical field camera. Ideal for architectural, industrial, portrait or landscape work; the 45AII is lightweight, just 6 lbs., and folds up to a very compact and portable size.

Also unique to the 45AII is a convenient revolving back, for quick and safe format changes, with fresnel lens and focusing hood.

The 45AII will accept a wide range of accessories, including 6x7 and 6x9cm roll film backs, Polaroid film backs, bellows lens hood, recessed lensboard and various focusing hoods.

### Toyo-Field 45All PRO 4x5 Field Camera

Includes camera body, revolving back, ground glass, fresnel lens, folding focusing hood, blank 110mm lensboard, ¼" and ¾" interchangeable tripod sockets.

TY4502.....\$1899.00

### Toyo-Field 45AII & 45A Accessories

Flat Lensboard	TY4505	\$46.59
Recessed Lensboard	TY4508	\$76.29
Bellows Lens Hood	TY4530	\$424.95
Replacement Ground	Glass	

TY4520.....\$31.95

### Toyo 45All & 45A 4" Rear Extension Body

Extends the focusing range of any lens and allows the use of longer focal length lenses. Attaches between the camera body and back. TY4504.....\$477.95



### Horseman 45FA

### Rugged and Compact!

The Horseman flatbed design folds up into a compact package, easily transportable in any backpack. A 10% bellows draw makes it practical to use lenses up to 210mm, while a minimum extension of 2% allows you to use wide angle lenses down to 65mm. This camera is well suited for wide angle photography as it features an increased front standard rise with wide lenses focused at infinity. It also features a removable international  $4 \times 5$  back for easy vertical to horizontal changeover.

The 45FA will accept the complete line of Horseman 4 x 5 Roll Film Holders for 6 x 7cm, 6 x 9cm and the panoramic 6 x 12cm formats, plus all Polaroid 4 x 5 film holders.

### Horseman 45FA 4x5 Field Camera

Includes body, bellows, ground glass, Fresnel lens and ¾" mount.

Lens and lensboard not included.

HR4504.....\$2850.00

### Horseman 45FA Accessories

Flat Lensboard (Copal 0) **HR9191....\$85.00** Flat Lensboard (Copal 1) **HR9195....\$95.00** 

Prices are subject to change without notice.



### High-Tech Hybrid Field Camera!

These new super-compact view cameras from Linhof are a beautiful blend of field camera mobility and optical bench versatility. The innovative triple-telescoping monorail is the secret: With a flick of the wrist, the Technikardan is transformed from a 4" deep folded formation into a multidimensional, 20" monorail 4x5 camera (the 2½" x 3½" model is 3½" deep with full extension of 13"). Features solid L-standards, precision dove-tail guides, effortless locking system and interchangeable bellows.

### Linhof 4x5 Technikardan

Includes camera body and bellows, ground glass, lensboard and %" mount.

Lens not included.

LN1000.....\$3999.00

### **Technikardan Accessories**

LN2000	\$112.95
4x5 Replacement Ground Glass LN3001	\$43.39
4x5 Fresnel Screen w/mount LN4000	\$189.95
4x5 Super Screen LN4500	\$89.99
4x5 Wide Angle Bellows LN7000	\$289.95
Linhof 4x5/2x3 Compendium Lens	Shade

LN8000.....\$459.95

	Maximum Bellows Extension	Minimum Bellows Extension	Inter- Changeable Bellows	Rise Fall** (front)	Swings** (front/ rear)	Tilts** (front)	Tilts** (back)	Front Lateral Shift*	Folded Size	Weight
Toyo-Field 45AII	12.75"	1.8"*	No	44mm	16°/16°	105°	105°	14mm	7.5" x 8.3" x 4.5"	6 lbs
Horseman FA	10.25"	2.33"	No	28mm***	30° †	25°	t	60mm	7.25" x 6.6" x 3.75"	3.75 lbs.
Linhof 45	20"	1.8"	Yes	70mm	360°	360°	360°	60mm	10" x 8" x 4"	6.5 lbs.

^{*} With recessed lensboard. ** Maximum displacement. *** Rise only. † 4-way swing/tilt possible on back standard.







### L-FRAME CAMER

orseman's unique L-frame design allows for optical-axis tilts and swings for single-handed, timeefficient operation. Other features common to all Horseman view cameras listed here include:

- Precisely calibrated image-control movements
- Unobstructed focusing the entire length of the monorail
- Interchangeable bellows
- Secure, double-locking lensboard and ground glass back
- Heavy-duty, die-cast aluminum construction
- Full-line accessory system
- Rack and pinion drives for rise and fall, lateral shift and tripod block (All but "E models")
- Extendible monorail (All but "E models")
- Yaw-free base tilts ("L models")
- Focus computer ("C models")

### Horseman **Accessories**

### **Folding Binocular** Reflex Viewer

This light and compact unit, measuring only 61/3" x 61/3" x 31/3" when folded, gives a 2X enlarged, right-sideup image. W/adjustable mirror.

HR4683 ..... \$645.00

### **Bellows Lens Shade** with Filter Holder

Features convenient hinge design for easy lens access. Accepts 3" x 3" and 4" x 4" square filters.

HR4640 .....\$645.00

Flat Lensboard (fits all L-Series cameras HR4695 .....\$49.95



HR8103 .....\$395.00 Extendible Monorail (20-27") HR4619 .....\$665.00

Model	Monorail Length	Bellows Length	Rise Fall*	Lateral Shift*	Swings	Axial Tilts	Base Tilts	Variable Axis Tilts	Depth of Field Scale	Weight	ltem Number	Price
LE	16"	15.5"	60mm	60mm	Manual	Manual	Manual	N/A	N/A	11 lbs.	HR4518	CALL
LX	27.5"	18"	100mm geared	60mm geared	Manual	Manual	Manual	Manual	Yes	13.8 lbs.	HR4509	CALL
LS	Expandable	18"	60mm geared	60mm geared	Manual	Manual	Manual	N/A	Yes	13.8 lbs.	HR4514	CALL
LX-C	27.5"	18"	100mm geared	60mm geared	Manual	Manual	Manual	Manual	Yes (LCD)	14.3 lbs.	HR4510	CALI
LX-C	27.5"	25.6"	100mm (90mm) gegred	60mm geared	Manual	Manual	Manual	N/A	Yes (LCD)	20 lbs.	HR8207	CALL

*Maximum Displacement. (Parentheses denote rear standard specifications when different than front.)







### Toyo 45GX Pro 4x5 View Camera

### With Base and Axis Tilts!

### Toyo 45GII Pro 4x5 View Camera

### For Precise Image Control!

This heavy duty 4x5 view camera features smooth rack and pinion geared movements for rise/fall, shift, and focus. Spirit levels are built-in on front and rear standards. Includes SuperBrite fresnel lens, quick release block for ½-20 or ¾ thread, #0 lensboard and 10" (250mm) rail extension. Lens not included.

TY4602.....\$2199.00

### **Toyo G System Accessories**

Flat Lensboard for Toyo 45G/810G/45GX <b>TY46550\$34.99</b>
Recessed Lensboard to 45G/810G/45GX TY46580\$44.95
Pro Compendium Lens–Shade TY4710\$243.95
Fine Ground Glass with chemically-etched
TY4730\$44.95
Fresnel Lens for 4 x 5 (replacement) <b>TY4740\$109.95</b>
Aluminum Compartment Case for 45G TY4750\$324.95
Aluminum Compartment Case for 45GX TY4810\$422.95
Bellows
4 x 5 Wide Angle Bellows <b>TY4625\$509.95</b>
4 x 5 Long Bellows (30") <b>TY4630\$349.95</b>
4 x 5 Replacement Standard Bellows (16.5") <b>TY4610\$359.95</b>
8 x 10 Long Bellows (50") <b>TY8220\$1019.00</b>
8 x 10 Replacement Standard Bellows (28") <b>TY8210\$568.95</b>
Binocular Reflex Viewing Hood
For 4 x 5 models. With 1.5X magnifier and
adjustable mirror. <b>TY4720\$532.95</b>
Monorails and Extensions
10" (250mm) Black TY4680\$185.95
20" (500mm) Chrome <b>TY4675\$289.95</b> 20" (500mm) Black <b>TY4685\$293.95</b>
10" G System Base Monorail
Black <b>TY4650</b> \$185.95
Quick-Clamp Tripod Mounting Blocks 54mm Block with 1/4-20 and 3/8" sockets
(Standard on 45G)
TY4660\$109.95
70mm Block with ³ /8" socket
(Standard on 810G)

TY4695.....\$219.95

### 45 G-SERIES PROFESSIONAL VIEW CAMERAS

hese high quality 4x5 view cameras are an integral part of Toyo's comprehensive professional large format system cameras featured here. Both cameras offer:

- 360° non-vignetting revolving back, with click-stops every 90°
- Interchangeable bellows
- Rack and pinion micro-focusing
- Easy-loading back with convenient bail arm release
- Complete compatibility with the extensive Toyo accessory system

	Monorail Length	Bellows Length	Rise/ Fall	Lateral Shift	Swings	Axial Tilts	Base Tilts	Fine Focus	Depth of Field Scale	Type of Back	Weight
45GII PRO	10"	16.8"	145mm Geared	70mm Geared	±60°	+45° -35°	N/A	60mm	Optional	Revolving	12.1 lbs.
45GX	10"	16.8"	145mm Geared	70mm Geared	±60°	+45° -35°	±45°	60mm	Yes	Revolving	12.8 lbs.

# Large Format



### **In-Line Viewing Hood**

### **Folding Focusing Hood**

### Compendium Lens Hood/Filter Holder

Features flexible bellows for maximum shading, rear filter holder and metal front plate for magnetic vignetters. Includes metal filter frame for 4" x 4" filters. (3" x 3" filters may be used by placing them in 4" x 4" Calumet Filter Frames for 3" x 3" filters.)

CB0502 (D) \$289.95

### **Compendium Lens Hood**

Similar to the Compendium Lens Hood/Filter Holder, but without the filter holder.

CB0501 .....\$239.95

### 8 x 10 Accessories

8 x 10 to 4 x 5 Reducing Frame Requires either 4 x 5 Back or 4 x 5 Revolving Back Assembly CB0413 ......\$329.95

4 x 5 Revolving Back Assembly

This 360° revolving back accepts a wide range of Graflok accessories. Features an easy loading design with unique release lever that ensures safe film holder insertion without risk of camera movement.

CB0245 .....\$389.95

### 4 x 5 Back Assembly

Same as Revolving Back, but doesn't rotate or have an easy load release lever.

CB0201 (C).....\$249.95

### **8 x 10 to 5 x 7 Reducing Frame** Requires 5 x 7 Spring Back.

Requires 5 x 7 Spring Back.

CB0414 .....\$469.95

5 x 7 Spring Back Assembly CB0301 .....\$269.95

### 8 x 10 Split Sliding Back Assembly

Produces two 5" x 8" images on a single 8" x 10".

CB0402 .......\$1289.00

### Focusing Cloth Support Frames

These rigid wire supports keep the focusing cloth "out of your hair" and frees both hands for focusing and camera movements.

For 4 x 5 CB0219.......\$34.95 For 8 x 10 CB0409......\$34.95

### 1-800-CALUMET

### **Viewing Screens**

### Fresnel Lens

Used in conjunction with ground glass for brighter, full image viewing with focusing cloths or viewing hoods.

For 4 x 5 **CB0218......\$69.95** For 8 x 10 **CB0419......\$179.95** 

### **Super Sharp Screen**

The sharpest focusing screen we've ever seen! When combined with a Fresnel lens, this screen produces an extremely bright and incredibly sharp image.

For 4x5 CB0250......\$129.95 For 8x10 CB0420......\$349.95

### **Beattie Intenscreen Plus**

Increases the relative brightness of the ground glass image 2 to 4 f/stops. Includes ¼" grid applique. For 4 x 5 BT0052........\$174.95 For 8 x 10 BT0105......\$249.95

### **Ruled Ground Glass**

With 1cm (2/5") grid.

For 4 x 5 **CB0214 (E) ...\$29.99** For 8 x 10 **CB0418.......\$59.99** 

### **Plain Ground Glass**

Without grid.

For 4 x 5 CB0216.....\$29.99

### Master pc Ruled Ground Glass

With V.A.T. markings.

For 4 x 5 CB0215.....\$58.99



We've got everything you need to shoot LARGE FORMAT!











### **Calumet Focusing** Magnifier

7X magnification of the Calumet Focusing Magnifier is ideal for critical focusing on the ground glass or can be used for viewing transparencies and negatives. Features dioptric adjustment and comes complete with opaque and clear barrels, neck strap and case. HR1000 (A) .....\$42.39

### **Peak Magnifying Lupes**

**4X Anastigmatic Lupe** 

Designed to allow the user to observe the entire 58mm viewing area up to 1 inch from the eyepiece. This lupe is optically corrected and ensures edge-toedge sharpness. Features dioptric adjustments, removable glass millimeter scale and clear barrel for illuminating opaque objects. Excellent for viewing 35mm and 21/4" slides.

PC1990 (B) .....\$129.95

10X Lupe

Features removable suction cup for attachment to any flat surface. Ideal for attaching to the ground glass of large format cameras for more convenient focusing.

PC1993 (C).....\$22.99

### Schneider **Universal 4X Magnifier**

This high quality lupe features a color-corrected and distortionfree West German optics. 4X Magnifier comes with interchangeable black opaque and translucent barrels for viewing slides and prints respectively. SC8040 (D) .....\$119.95

### **Rodenstock 4X Magnifier**

With its aspheric, twin lens design, this 4x magnifier offers exceptional imaging quality over the entire 35mm film format. Its 43mm image field diameter and integrated adjustable tube for darkening make it possible to switch from viewing a 35mm transparency at full size to a photo in one easy motion. Plus, a unique focusing feature will adjust for eyesight correction from -2 to .5 diopters for perfect sharpness.

RS7010 (E) .....\$119.95





### **NPC ProLupe 5.5X**

This magnifier with two-element glass optics, adjustable diopter, and rubber eyepiece allows an undistorted, full-frame view of a 35mm transparency. It's ideal for examining Polaroid test shots and contact sheets. Backed by a Lifetime warranty.

NP9807 (F) .....\$119.95

### Schneider 6X, 8X and 10X **Magnifiers**

Provides high-powered viewing and focusing, maximum edge-toedge sharpness, and distortionfree color fidelity. Features black opaque barrels.

6X SC8060 (G)......\$149.95 SC8080 (H)......\$159.95 8X 10X SC8100 (I) ......\$229.95











### Create-A-Frame

Now you can produce exciting multiple exposure effects with any 4x5 view camera.

1. Make the first exposure with a background transparency inserted into the Create-A-Frame with only the background lights on. For the background choose one of the Transparency Sets featured, a colored gel. litho mask gel, or your own transparency.

- 2. For the second exposure, carefully remove the background transparency, recock the shutter, cover the background with a black cloth, then expose your main subject with only the foreground lights on. It's that simple!
- Produce composite shots without the cost of retouchers or Scitex equipment.
- Create full-frame 4x5 transparencies or negatives.
- Offer clients exciting new images at a lower price — and extra profit for you!
- Costs nearly half of the price of other manufactured in-camera masking devices.

Comes with two transparency insert frames. TS1001 .....\$99.95 **Background Transparency Set A** 

Set of Earth, grid and spoke scenes. TS1060 .....\$49.95

**Background Transparency Set B** 

Set of 3 star scenes. TS1050 .....\$49.95

**Background Transparency Set C** 

Set of three variable color backgrounds including white to grey, red to yellow, and red to blue.

TS1070 .....\$49.95

**Deluxe Transparency Insert Frames** 

Self-adhesive frames that hold background transparencies flat and straight. Build an entire library of backgrounds! Package of 6. TS1020 .....\$24.95

### "Unlimited Backgrounds" Create-A-Frame Video

Learn how in-camera masking can add to your creative capabilities from the man who knows best, inventor

Ted Saylor. (VHS)

TS0900 .....\$24.95





**Calumet** 













On-the-spot Polaroid proofing just got easier for big format photographers! The Calumet 8x10 Instant Film Processor is truly a portable and affordable alternative that is ideal for image transfer.

- Manually controlled Proof 8x10 Polaroid anywhere indoors or out. A manual crank gently transports film across stainless steel rollers.
- Versatile Handles color, black-andwhite and overhead transparency 8x10 Polaroid film.
- Lightweight Weighs only 5 ½ lbs., which is 75% less than other processors.
- Portable A rugged ABS plastic housing and convenient carrying handle makes it easy to take anywhere. Folds to 4 3/4" (h) x 17" (l) x 12 3/4" (w).
- Quick & Easy For setup, operation, and maintenance.

Requires Polaroid 8 x 10 Film Holder. PD0810.....\$495.00

Polaroid 8 x 10 Film Holder 2.5 lbs. PO6050.....\$179.95





### Calumet 8 x 10 Package

Includes film processor and 8x10 film holder. ZX6056.....\$599.95



### Lisco Double Sheet Film Holders (A)

### Quality holders for quality results!

If you want your film to be in focus and exposed as you shot it, use high-quality sheet film holders. With Lisco film holders, you won't be surprised by the unexpected. These fine holders feature:

- Guaranteed film flatness with a one-piece, solid aluminum plate core
- Light-proof, overlapping loading flaps
- Self-seating film guide, with no short-loading
- Shock-proof design

4x5	LS4500	\$16.49
5x7	LS5700	\$24.19
8x10	LS8100	\$54.99
21/4x31/4	LS2300	\$23.59

### Replacement Dark Slides

For 4x5	LS4505\$6.99
For 5x7	LS5705\$8.99
For 8x10	LS8105\$13.29
For 21/4x 31/4	LS2305\$6.99

### Riteway 4x5 Sheet Film Holder

### With exclusive built-in ID system!

This double sheet film holder is more reliable and more valuable because of these exclusive features:

- Built-in "I.D. system" that numbers each film sheet (from 0 to 99) during exposure for easy referencing
- Exclusive auto-locking system to prevent accidental dark slide removal
- Patented hinge design keeps loading flap open by itself, leaving your finger free to check film seating
- Fits all 4x5 view cameras (except Linhof models)
- Unbreakable dark slide RW4500 (B).....\$24.19 Riteway Replacement Dark Slide RW4505.....\$7.50

### Horseman 4x5 International "Graflok" **Roll Film Holders**

Large format accessory roll film holders combine the creativity of view camera movements with the economy and convenience of roll film. These precision made backs are usable on any camera designed with the 4x5 Graflok locking system.

6x7cm 120 Roll Film Holder <b>HR4637\$495.00</b>
6x9cm 120 Roll Film Holder <b>HR4634\$495.00</b>
6x7cm 220 Roll Film Holder <b>HR4639\$495.00</b>
6x9cm 220 Roll Film Holder <b>HR4638\$495.00</b>
6x12cm 120 Roll Film Holder <b>HR4630 (C)\$895.00</b>

years. These 120/220 roll film holders produce 6x7cm, 6x9cm, and 6x12cm images easily and affordably.

- Universal Fits any 4x5 view or field camera with spring loaded or Graflok back
- Easy to use Use like a sheet film holder, without removing the ground glass frame
- Cuts film costs Economical alternative to sheet film, especially in situations that require heavy-bracketing and perspective control
- Versatile Total perspective control in medium format with any focal length lens
- Quality construction Rugged plastic housing and precision film advance/counter assembly
- Exceptional film flatness Guaranteed with its unique looped-film loading system 6x7cm 120/220 Roll Film Holder CB5500 (D).....\$349.95 6x9cm 120/220 Roll Film Holder

CB5510 .....\$349.95 6x12cm 120/220 Roll Film Holder CB5512 .....\$729.95







### **Moody Maxi Tool Set**

Avoid damaging your valuable photo equipment with the wrong tool for the job - get the indispensible Maxi Tool Set. This precision tool kit provides a full set of screwdrivers blades (.025", .040", .055", .070", .080" and .100"), two cross-recessed drivers: Nos. 0 and 1, five openend wrenches (5/64", 3/32", 7/64", 1/8" and 5/32"), three Allen wrenches: Nos. 4, 6 and 8, Five small socket wrenches (5/64", 3/32", 7/64", 1/8" and 5/32"), and a fine-tipped steel awl. BR8880 (A).....\$30.69

Calumet 4 x 5 Ground
Glass Protector

This convenient accessory will save you untold headaches, aggravation and dollars.
Guard against accidental ground glass breakage while transporting or storing your view camera. The Ground Glass Protector simply lides into your back like a sheet

slides into your back like a sheet film holder and covers the glass from both sides. Invest now and save in the long run!

CF9970 (B).....\$14.95

Calumet Changing Room

This is the roomiest changing bag we have ever seen. Its unique, 3-ring support structure not only keeps the top of the bag out of your way, but creates vertical walls, which give you maximum room to work freely. Whether you're loading 4 x 5 film holders or roll film reels, the Calumet Changing Room is easier, faster and safer to work with than any other changing bag on the market.

The Changing Room sets up quickly with its self-contained internal frame. Three spring-loaded rings pop into position to form roomy vertical walls which create more working space than other dome-like bags on the market. When you are finished with the Changing Room, simply collapse the structure and store it safely, and cleanly in its own compact carry pouch.

The Changing Room measures 25" x 22" x 15", folds to 19" diameter and weighs only 2 lbs. 2.5 oz.

RM1200 (C).....\$74.99

### Heavy Duty Tripod Reducer Bushing

Reduces tripod mount from ³/₈ to ¹/₄-20 threads. Suitable for large format cameras.

CB2750 (D) .....\$3.95

### Calumet Focusing Cloths

"Non-Slip" Focusing Cloth
This 36" x 53" black Duvetyn
cloth stays on the your camera
and your shoulders!

PI1005.....\$13.95

Professional Focusing Cloth
Black on the inside and white on
the outside, to reflect heat.

36" x 48". **PI1010** (E).....\$19.95

### **Field Focusing Cloth**

This 36" x 36" black focusing cloth features Velcro fasteners to keep it secure on the camera.

PI1020.....\$24.95

### Classic Focusing Cloth

A full 48" x 58" for comfortable use on all view cameras up to 20" x 24" in format. The white outer construction is double knit polyester for maximum durability and dimensional stability. Twenty steel weights help hold cloth in place on a windy day. Navy blue exterior.

PI1015.....\$29.95

### Silver Classic Focusing Cloth

This lightweight, 1 lb. 12 oz. cloth measures 48" x 56". Outside silver fabric is a reinforced, tearresistant mesh, inside is black polyester. Contains 16 steel weights for greater stability on a windy day.

PI1025.....\$30.95



### **Kodak Readyload Packet Film Holder**

The space-saving, packet film holder is lightweight, compact and can be used with any 4 x 5 camera. Accepts pre-loaded Kodak Readyload Packets which can be inserted into the holder in daylight - without disturbing the camera's focus or position.

KK9346 (A) .....\$45.99



### **Angle Finder**

Measures the relative angle between the film plane and the subject to control distortion, and lets you determine when front and back standards are parallel. This compact, 31/8" x 31/8" finder fits into any location kit and is accurate to 1/2 degree.

HR1015 (B) .....\$77.99

### **HCL Inclination Vial**

Simply set the base of the Inclination Vial against the plane of your subject and level the bubble by revolving the spirit level insert. Lock your setting in place, set the vial on your camera's ground glass and adjust your rear tilt until the bubble is level.

JM2100 (C) .....\$74.19









### Polaroid 4x5 **Film Holders**

### It Pays to Proof!

Because of the time and money that you invest in each large format shot, it pays to proof! Polaroid's instant results will verify your variables immediately, without waiting for the lab.

### 545i Film Holder

This 4x5 instant film back accomodates Polaroid's large film type selection including types 52, 53, Polapan PRO 100 (Type 54), 55 P/N, 57, 59, 400, PRO 64 Tungsten and Polacolor PRO 100. Actual image size is 31/2x41/2". Features rugged composite construction textured for better grip. Allows user to change film types after each exposure.

PO5101 (D).....\$169.95

### 550 Pack Film Holder

Features larger image area  $(3^{1/2}" \times 4^{5/8}")$  and lower film costs. Accepts types 552, 553, 554 and 559 film packs.

PO5500 .....\$159.95

### 405 Pack Film Holder

Uses economical film types 665, 667, 668, 669, and 100 series 8-exposure packs. 2.9" x 3.8" image area.

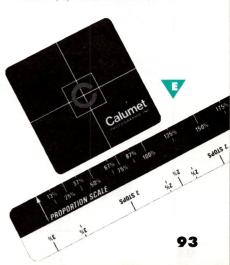
PO5000 .....\$94.99

### Calumet **Exposure Calculator**

An easy and direct, one-step means of determining bellows factor exposure calculations for table top and close up photography. Designed to work on all large format and most medium format cameras, this accurate calculator provides precise readings to within 1/3 f/stop.

Simply place the square chip onto the set you are photographing, compose and focus your camera and use the exposure scale strip to measure the chip from the ground glass. Direct readings are provided instantly. Also provides reproduction proportions for copy and stat work.

CC9201 (E).....\$6.95



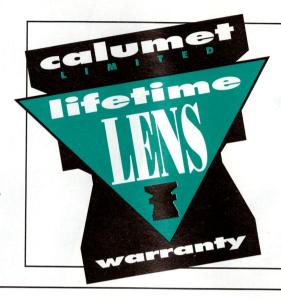
### **CHOOSING A LENS**

### Calumet: Your Large Format Lens Specialists

Calumet has the widest large format lens selection and the biggest on-hand inventory in the country. With over 2000 lenses instock at all times, we are always ready to meet your lens needs at a moment's notice.

Our knowledgeable and experienced Technical Sales Representatives will assist you with any questions you might have concerning the selection of a lens that will best meet your needs. And, if for any reason you are not satisfied with your lens purchase, you may return the lens within 15 days and receive a full refund.*

Next time you are in the market for any large format lens, call 1-800-CALUMET. *Subject to Calumet's standard return policy.



- Caltar
- Schneider
- Rodenstock

When you purchase these large format lenses from Calumet, they are guaranteed for life! That's right. Calumet's exclusive Limited Lifetime Lens Warranty covers selected large format lenses and warrants them to be free of manufacturing defects for the lifetime of the original owner (shutters excluded). Please call for specific details.

### SELECTING THE RIGHT LARGE FORMAT LENS

By understanding how to read lens specifications, you will begin to learn which lens is best suited for your particular needs.

### Focal Length

The focal length of a lens is equal to the lens-to-film plane distance when the camera is focused at infinity. A 210mm, or  $8^{1}/2^{\circ}$  lens therefore requires approximately  $8^{1}/2^{\circ}$  of camera extension to focus at infinity. It is important to note when selecting a lens that your camera's bellows extension is long enough to accommodate this requirement.

### Type of Shutter

Knowing the shutter size will help you determine the diameter of the hole to be drilled in your lensboard for mounting your lens. Remember, there are only three shutter sizes used for all current lenses—#0, #1, and #3.

### **Aperture Range**

The larger the maximum aperture, the brighter the image on the ground glass will

be for focusing and composition. In cases where the same focal length lens is offered by a manufacturer in different maximum apertures, the faster lens will have a larger image circle, which provides more covering power and greater camera movements.

### Lens Construction

The first number designates the number of lens elements, and the second number refers to the number of groups they are cemented into. In general purpose and wide angle lenses, the higher these two numbers are, the better corrected they are for distortions.

### Multicoating

This reduces the possibility of lens flare, thus producing better image contrast and color saturation.

### Filter Size

This tells you the diameter of the front lens housing for proper filter selection.

### **Image Circle**

The diameter of the cone of usable image area projected by a lens, generally measured at a particular aperture (usually f/22) with lens focused at infinity. This is perhaps the most important factor to consider when

choosing a lens if you require full film coverage of the image at infinity and if your work requires the use of the view camera's lens and film plane movements. The diameter of the **minimum** image circle needed to cover the diagonal of the film with even illumination from corner to corner is:

 $2^{1/4}$ " x  $2^{3/4}$ " = 100mm

4" x 5" = 161mm

5" x 7" = 219mm

8' x 10" = 323mm

It is important to note when two lenses of the same focal length have different size image circles, the largest allows greater camera controls and movement.

### **Angle of Coverage**

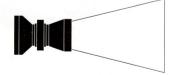
The angle formed by lines connecting the image nodal point (where light leaves the rear of the lens) to opposite sides of the image circle. This measurement is directly determined by lens design and not focal length.

### Format Size

The maximum film size covered by a lens while focused at infinity.

### **Angle of View**

This measurement is determined by lens focal length and format size (horizontal), and is helpful in comparing focal lengths of different film formats. The comparison chart here is useful when visualizing the area to be included in a photograph.



35mm		6 )	c 7 cm	4 x	5 in	8 x 10 in		
Focal Length	Angle of View	Focal Length	Angle of View	Focal Length	Angle of View	Focal Length	Angle of View	
28mm	65°	50mm	69°	90mm 100mm	68° 62°	180mm	69°	
44mm 50mm	44° 40°	75mm 80mm 90mm	49° 46° 42°	135mm 150mm 165mm	48° 44° 40°	300mm	45°	
85mm 105mm	24 19°	140mm 150mm 180mm	27° 26° 22°	240mm 300mm 360mm	28° 23° 19°	480mm	29°	

### CALTAR II

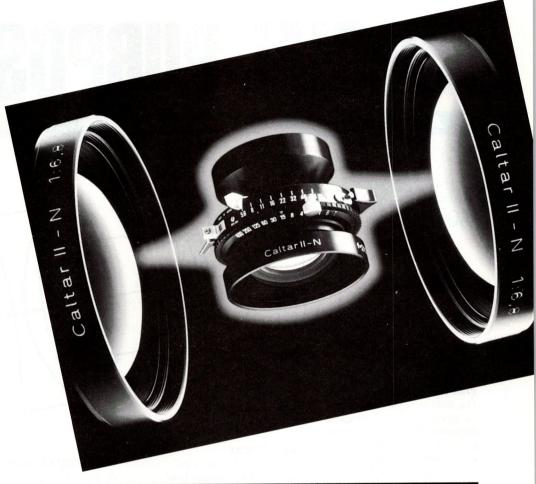
### HIGH QUALITY, BEST VALUE

alumet's exclusive large format lenses are among the finest optics in the world. In fact, Caltar II lenses have earned their reputation among professional photographers because they offer "double-edged" sharpness!

Optically, Caltar's German glass is as sharp as can be, with superb contrast, accurate color rendition and outstanding illumination corner-to-corner edge-to-edge!

Economically, you won't find sharper prices than Caltar's anywhere! They truly represent the "best value" available in large format lenses.

No matter what your large format shooting needs might be, Caltar's wide selection of focal lengths and lens designs offers unlimited solutions.





		ype of hutter	Aperture Range	Lens Construction	Multi- Coating	Filter Size	Image Circle*	Angle of Coverage*	Maximum Format Size	Item Number	Lens with Copal Shutter
--	--	------------------	-------------------	----------------------	-------------------	----------------	------------------	-----------------------	------------------------	----------------	----------------------------

### **Symmetrical**

Universal "normal" lenses with superb contrast and corner-to-corner resolution. These lenses also can be used as slight wide angle lenses for larger formats, and have excellent color fidelity. Ideal for industrial photography, landscapes, portraits and architectural applications.



	135mm	Copal O	5.6-64	6-4	Yes	40.5mm	200mm	72°	4" x 5"	CL2135	\$449.95
	150mm	Copal O	5.6-64	6-4	Yes	49mm	214mm	72°	4" x 5"	CL2150	\$449.95
١	180mm	Copal 1	5.6-64	6-4	Yes	58mm	262mm	72°	5" x 7"	CL2180	\$589.95
١	210mm	Copal 1	5.6-64	6-4	Yes	67mm	301mm	72°	5" x 7"	CL2210	\$599.95
	240mm	Copal 3	5.6-64	6-4	Yes	77mm	350mm	72°	8" x 10"	CL2240	\$1095.00
	300mm	Copal 3	5.6-64	6-4	Yes	86mm	425mm	72°	8" x 10"	CL2300	\$1449.00
	360mm	Copal 3	6.8-64	6-4	Yes	105mm	435mm	64°	8" x 10"	CL2360	\$1549.00

### Compact

Designed for general purpose applications. Its multi-coated elements produce improved color rendition and contrast along with excellent sharpness. Ideal for product, portrait and—because of its compact size—field photography.

150	Const 1	/2//	22	Yes	40.5mm	180mm	620	4" v 5"	CL4150	\$299.95
150mm	Copal I	0.5-04	3-3	162	40.5mm	10011111	02	7 / 3		
210mm	Copal 1	6.8-64	3-3	Yes	49mm	242mm	60°	5" x 7"	CL4210	\$399.95

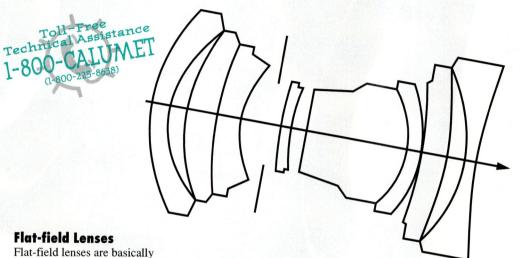
### Wide Angle

Caltar's Wide Angle lenses are nearly distortion-free and provide a brighter ground glass image. They feature excellent color correction and even illumination over the entire image area. Ideal for a variety of uses, including interiors under cramped conditions and creative compositions.



## SPECIAL PURPOSE

LARGE FORMAT LENSES



designed to view the world twodimensionally. With their subject plane-of-focus parallel to the film plane when all camera movements are zeroed-out, these lenses are the ideal choice for critical, flatcopy reproduction work. Since so much of this type of work is done at relatively large reproduction ratios, these lenses are also well corrected for close-up, or short camera-to-subject distances. However, most flat-field lenses are eminently usable at infinity, and actually yield excellent results throughout their entire focus range. Their only shortcoming is their relatively small maximum aperture.

### **Special Macro Lenses**

These lenses are designed to deliver optimum performance at close subject range, like 1:1, and are useful from approximately 1:3 to 3:1 reproduction ratios. Historically, close-up lenses have had relatively slow maximum apertures, like f/9, which has limited their usefulness to flat copy and small product studio applications. However, newer designs from Rodenstock, Nikon and Schneider have gained a few stops, and more than a few converts. When studying macros. keep in mind that their coverage increases with magnification.

### **Apo Lenses**

Time was when an "Apo" (a.k.a. Apochromatic) lens' only attribute was its ability to critically focus all three component primary colors at the same plane. Besides that, Apo lenses were generally regarded as inconveniently slow and extremely narrow in terms of covering power. Today's enhanced Apos reap the benefits of computerized lens design, special glass combinations, sophisticated coatings, etc. As a result they have joined the ranks of general application optics by not only producing precise color separation work, but doing so with ample coverage, uniform illumination and a high degree of distortion correction.

### Telephoto Lenses

These optics are uniquely different from standard long focal length lenses which require a bellows draw equal to their focal length in order to focus at infinity. Telephoto lenses require considerably less bellows draw, or extension—approximately ½-½ their focal length, allowing the use of longer lenses on cameras with fixed or restricted bellows; such as field cameras.

### **Wide Angle Lenses**

By definition, a wide angle lens has a focal length less (or shorter) than the film's diagonal, resulting in a wider angle of view than a "normal" focal length lens. However, a wide angle lens must also have more covering power than normal lenses of the same focal length. Covering power is measured in such terms as image circle and angle of coverage, and is a factor of optical design, not focal length. When considering a specific wide angle lens, it is most important to determine whether or not it has sufficient covering power to fully utilize your camera's image control adjustments.

### **Special Enhanced Lenses**

Lenses with enhanced features, such as a larger than average angle of coverage, also offer more flexibility than normal lenses. More specifically, the 80° angle of coverage provided by Rodenstock's Apo-Sironar-W series, and Schneider's Super-Symmar HM series allows for greater format coverage and camera movements. Use of new glass also produces better edge sharpness and less light fall-off.

### **Center Filters**

To eliminate the disturbing illumination fall-off at the corners when working with ultra wide angle lenses, concentrically graduated "Center Filters" have been designed to compensate for this vignetting.

These filters have an absorption which diminishes gradually from the center to the edges where it reaches full transparency. This absorption is independent from the wave lengths of the visible spectrum.

It must be remembered that, when working with ultra-wide-angle lenses, high contrast films, under-exposure, and non-uniform field illumination should be avoided as much as possible.

### Caltar II

### Rodenstock

58mm Filter for 65mm f/4.5

105mm Filter for 155mm f/6.8 Grandagon RS2039 .....\$1039.00

135mm Filter for 200mm f/6.8 Grandagon

RS2040 .....\$1269.00

### Schneider

49mm Filter for 47mm f/5.6 and 75mm f/8 Super Angulon SC8001 ......\$279.95

67mm Filter for 65mm f/5.6 and 75mm f/5.6 Super Angulon SC8002 ......\$359.95

67mm Filter for 90mm f/8
Super Angulon
SC8005 ......\$359.95



#### SCHNEIDER

	Focal Length	Type of Shutter	Aperture Range	Lens Construction	Multi- Coating	Filter Size	Image Circle (f/22)	Coverage Angle (f/22)	Maximum Format Size	Item Number	Lens with Copal Shutte
uper Angulon	The Sch	neider Sup	er Angulor	n is a specia	l purpose	ultra wide	e angle takin	g lens for med	lium and larg	e format	
	photogra	phy. The S	Super Angu	alons are av application	ailable in	an unusua	ally wide ran	ge of focal lea	ngths, assurin	g the right	lens
	47mm	Copal O	5.6-32	8-4	Yes	52mm	123mm	105°	2¼" x 3¼"	SC6475	\$879.95
ASA.	58mm XL	Copal O	5.6-32	8-4	Yes	67mm	166mm	110°	4" x 5"	SC6585	\$1049.00
		Copal O	5.6-45	8-4	Yes	67mm	170mm	105°	4" x 5"	SC6655	\$1049.00
8	65mm			A CONTRACTOR OF THE PARTY OF TH	The real property of	67mm	198mm	105°	4" x 5"	SC6755	\$1199.00
	75mm	Copal O	5.6-45	8-4	Yes		N. E. COLOGOROS	100°	4" x 5"	SC6908	\$869.9
	90mm	Copal O	8.0-45	6-4	Yes	67mm	216mm			SC6910	\$1439.0
	90mm XL	Copal O	5.6-45	8-4	Yes	95mm	259mm	110°	5" x 7"		
and a second second	120mm	Copal O	8.0-64	6-4	Yes	82mm	288mm	100°	5" x 7"	SC6120	\$1279.0
	165mm	Copal 3	8.0-64	6-4	Yes	110mm	395mm	100°	8" x 10"	SC6165	\$3049.00
N. 813	210mm	Copal 3	8.0-90	6-4	Yes	127mm	500mm	100°	11" x 14"	SC6211	\$4895.0
oo-Symmar	The late perform	est apochro ance and a	matically— re optimize	corrected ve	ersion of tetween 1:	he famou 10 and in	s Symmar de finity.	esign. They di	splay improve	ed edge	
	100mm	Copal O	5.6-64	6-4	Yes	40.5mm	145mm	72°	2¼" x 3¼"	SC7200	\$589.9
	120mm	Copal O	5.6-64	6-4	Yes	49mm	179mm	72°	4" x 5"	SC7205	\$589.9
	135mm	Copal O	5.6-64	6-4	Yes	49mm	195mm	72°	4" x 5"	SC7210	\$579.9
		Copal O	5.6-64	6-4	Yes	58mm	220mm	72°	5" x 7"	SC7215	\$589.9
	150mm				Yes	58mm	263mm	72°	5" x 7"	SC7220	\$739.9
THE REAL PROPERTY.	180mm	Copal 1	5.6-64	6-4		74,120,000	305mm	72°	5" x 7"	SC7225	\$819.9
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	210mm	Copal 1	5.6-64	6-4	Yes	72mm					\$1349.0
The second second	240mm	Copal 3	5.6-64	6-4	Yes	77mm	352mm	72°	8" x 10"	SC7230	
	300mm	Copal 3	5.6-64	6-4	Yes	105mm	425mm	72°	8" x 10"	SC7235	\$1849.0
	360mm	Copal 3	6.8-64	6-4	Yes	112mm	491mm	70°	10" x 12"	SC7240	\$2100.0
23212	480mm	Copal 3	8.4-64	6-4	Yes	105mm	500mm	56°	10" x 12"	SC7245	\$2749.0
ele-Arton	This fea	ture, in add	dition to th	e true teleph eir compact ted bellows	and light	n which reweight co	equires short enstruction, n	er back-focus nake either of	than convent these lenses i	ional long deal for fie	lenses. eld cameras
(\$12) 903.33	250mm	Copal 1									
	200	Copui	5.6-32	5-5	Yes	67mm	158mm	35°	4" x 5"	SC7950	\$1329.0
	This new angle of Their 8 6	w Super-Sy view. The element 6	mmar lens se superior group desig	series prov	rides increons allow	eased flex	ibility and pe	erformance wi evements and eracy. Super-S	th larger imag	ge circles a	than usual
Super-Symmar High Modulation  Macro-Symmar High Modulation	This nev angle of Their 8 c advance  120mm 150mm 210mm  The new 4:1—ide accurate	w Super-Sy view. The element 6 gd flourite g Copol 0 Copol 1 Copol 3	rmmar lens se superior group desig glass eleme  5.6-64  5.6-64  7mmar lens copy, table lition and g	series proves specification offers out the series and series series proves series and series series series and series ser	rides increons allow tstanding center.  Yes Yes Yes Yes Of for optinuct photo ced image	eased flex for greate performa  67mm 77mm 100mm  mum perfo graphy. It	ibility and peer camera monce and accurate a	erformance wi ovements and tracy. Super-S 82° 80° 80°	th larger imagerater formate ymmar HM l  4" x 5" 5" x 7" 8" x 10"  ees excellent to see for greater	ge circles a it coverage enses incor \$C8120 \$C8150 \$C8210 results betw coverage,	sind 80° than usual reporate an \$1099.0 \$1589.0 \$2449.0 \$14 ar with more
igh Modulation  Acro-Symmar	This nev angle of Their 8 c advance  120mm 150mm 210mm	w Super-Sy view. The element 6 gd flourite g  Copol 0 Copol 1 Copol 3	ymmar lens se superior group desig glass eleme 5.6-64 5.6-64 ymmar lens copy, table	series proves specification offers out the series series proves the series of the seri	rides increons allow tstanding center.  Yes Yes Yes Yes Ut for optimuct photo	eased flex for greate performa  67mm  77mm  100mm  mum perfography. It	ibility and peer camera monce and accurate a	erformance wipvements and aracy. Super-S  82° 80° 80°	th larger imagerater formate ymmar HM 1  4" x 5" 5" x 7" 8" x 10"  ees excellent to	ge circles a t coverage enses incor	s1099.0 \$1589.0 \$2449.0 \$1099.0 \$1589.0 \$2449.0
Acro-Symmar ligh Modulation	This nev angle of Their 8 c advance  120mm 150mm 210mm  The new 4:1—ide accurate 120mm 180mm	w Super-Sy view. The element 6 gd flourite g Copol 0 Copol 1 Copol 3 v Macro-Syeal for flat e color rence Copol 0 Copol 1 Copol 0 Copol 1 Copol 1 Copol 1	ymmar lens se superior group designass eleme 5.6-64 5.6-64 ymmar lens copy, table lition and g 5.6-64 5.6-64 d for flat fingroup sym	s series proves specification of specification of series out the series of s	rides increons allow tstanding center.  Yes Yes Yes Yes Yes Yes  G-Claron Ins design	eased flex for greate performa  67mm 77mm 100mm  mum perfo graphy. It e distortio  40.5mm 58mm  enses are is optimiz	ibility and peer camera monce and accurate a	erformance wipvements and tracy. Super-S  82° 80° 80° :1, and produce al design allow	th larger imaggreater formal ymmar HM 1  4" x 5" 5" x 7" 8" x 10"  Dees excellent the services for greater  5" x 7" 8" x 10"  6, tabletop, an and 1:1 and the services formal incompletes the services of the	ge circles a t coverage enses incor  \$C8120 \$C8150 \$C8210  results betv coverage,  \$C7505 \$C7520  d photomaney reprodu	\$1099.0 \$1589.0 \$2449.0 \$1099.0 \$1329.0 \$1099.0 \$1329.0
Macro-Symmar ligh Modulation	This nev angle of Their 8 of advance  120mm 150mm 210mm 210mm  The new 4:1—ide accurate 120mm 180mm  Especial Their 6-outstand	w Super-Sy view. The element 6 g of flourite g Copol 0 Copol 1 Copol 3 v Macro-Sy eal for flat e color rence Copol 0 Copol 1 C	mmar lens se superior group designass eleme 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 d for flat fingroup symion from li	series proves specification offers ou offers ou ont near the 8-6 8-6 8-6 8-6 8-4 8-4 8-4 8-4 8-4 8-4 8-4 8-4 8-4 8-4	rides increons allow tstanding center.  Yes Yes Yes Yes  If for optimuct photoced image Yes Yes Yes  G-Claron I ans design ous and h	eased flex for greate performa  67mm 77mm 100mm  mum perfe graphy. It e distortio  40.5mm 58mm  enses are is optimizalf-tone or	211mm 254mm 356mm  cormance at 1 s symmetrica n.  234mm* 353mm*  also exceller zed for magninginals. G-C	82° 80° 80° 1, and producal design allow	th larger imagerater formate ymmar HM l  4" x 5" 5" x 7" 8" x 10"  ees excellent to the service of the service	ge circles a tt coverage enses incor  \$C8120 \$C8150 \$C8210  results bety coverage,  \$C7505 \$C7520  d photomaney reproducting a circles	s1099.0 \$1589.0 \$2449.0 \$1589.0 \$2449.0 \$1329.0 \$1329.0 \$1329.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$158.0 \$
Macro-Symmar ligh Modulation	This never angle of Their 8 of advance  120mm 150mm 210mm 210mm  The new 4:1—ide accurate 120mm 180mm  Especial Their 6-routstand 150mm	w Super-Sy view. The element 6 g of flourite g Copol 0 Copol 3 v Macro-Sy eal for flat e color rend Copol 0 Copol 1 Copol 1 Copol 1 Copol 0 Copol 1 Copol 0 Copol 1 Copol 0 Copol 1 Copol 0 Co	mmar lens se superior group designass eleme 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 d for flat firgroup symion from li 9-64	series proves specification offers ou offers ou ont near the 8-6 8-6 8-6 8-6 8-4 8-4 8-4 8-4 8-4 8-4 8-4 8-4 8-4 8-4	rides increons allow tstanding center.  Yes Yes Yes Yes A for optimuct photo ced image Yes Yes G-Claron 1 ms design ous and h	eased flex: for greate performa  67mm 77mm 100mm  mum perfe graphy. It e distortio  40.5mm 58mm  enses are is optimiz alf-tone or  35.5mm	211mm 254mm 356mm  cormance at 1 s symmetrican.  234mm* 353mm*  also exceller ared for magn riginals. G-C	82° 80° 80° 1, and producal design allow  55° 55° at for closeups iffications around also fe	th larger imagerater formal ymmar HM l  4" x 5" 5" x 7" 8" x 10"  ees excellent to the service of the service o	ge circles a tt coverage enses incor  \$C8120 \$C8150 \$C8210  results bety coverage,  \$C7505 \$C7520  d photomate the proper of the	s1099.0 \$1589.0 \$2449.0 \$1329.0 \$1329.0 \$149.9 \$1329.0 \$149.9 \$149.9 \$158.
Macro-Symmar ligh Modulation	This new angle of Their 8 of advance  120mm 150mm 210mm  The new 4:1—ide accurate  120mm 180mm  Especial Their 6-routstand 150mm 210mm	w Super-Sy view. The element 6 g of flourite g Copol 0 Copol 3 v Macro-Sy eal for flat e color rend Copol 0 Copol 1 Copol 1 Copol 0 Copol 1 Copol 0 Copol 0 Copol 1	mmar lens se superior group designass eleme 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64	series proves specification offers ou offers ou ont near the 8-6 8-6 8-6 8-6 8-4 8-4 8-4 8-4 8-4 8-4 8-4 8-4 8-4 8-4	rides increons allow tstanding center.  Yes Yes Yes Yes A for optimuct photoced image Yes Yes G-Claron 1 ins design ous and h	eased flex: for greate performa  67mm 77mm 100mm  mum perfe graphy. It e distortio  40.5mm 58mm  enses are is optimiz alf-tone or  35.5mm 49mm	211mm 254mm 356mm  234mm* 353mm*  also exceller zed for magn riginals. G-C	82° 80° 80°  1, and producal design allow  55° 55°  the for closeups ifications around allowed	th larger imagerater formal ymmar HM l  4" x 5" 5" x 7" 8" x 10"  ees excellent to the service of the service o	ge circles a tt coverage enses incor  \$C8120 \$C8150 \$C8210  results bety coverage,  \$C7505 \$C7520  d photomate hey reprodute age circles  \$C7000 \$C7005	s1099.0 \$1589.0 \$2449.0 \$199.0 \$1329.0 \$1329.0 \$1419.9 \$589.9
Macro-Symmar ligh Modulation	This never angle of Their 8 of advance  120mm 150mm 210mm 210mm  The new 4:1—ide accurate 120mm 180mm  Especial Their 6-routstand 150mm 210mm 210mm 240mm	w Super-Sy view. The element 6 g of flourite g Copol 0 Copol 1 Copol 3 v Macro-Sy eal for flat e color rence Copol 0 Copol 1 Copol 0 Copol 1 Copol 0 Copol 1 Copol 1 Copol 1 Copol 1 Copol 1 Copol 1	mmar lens se superior group designass eleme 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64	series proves specification offers ou offers ou ont near the 8-6 8-6 8-6 8-6 8-4 8-4 8-4 8-4 8-4 8-4 8-4 8-4 8-4 8-4	rides increons allow tstanding center.  Yes Yes Yes Yes A for optimuct photo ced image Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	eased flex: for greater performa  67mm 77mm 100mm  mum perfe graphy. It distortio  40.5mm 58mm  enses are is optimizalf-tone or 35.5mm 49mm 52mm	211mm 254mm 254mm 356mm  cormance at 1 s symmetrica n.  234mm* 353mm*  also exceller red for magn riginals. G-C	82° 80° 80°  1, and producal design allow  55° 55°  the for closeups iffications around allowed allowe	th larger imagerater formal ymmar HM last series and series excellent the series excellent series for greater series and 1:1 and the series excellent per series excellent series excellent series excellent series excellent series for greater series excellent ser	ge circles a tt coverage enses incor  \$C8120 \$C8150 \$C8210  results bety coverage,  \$C7505 \$C7520  d photomately reproduce are produced	s1099.0 \$1589.0 \$2449.0 \$1589.0 \$2449.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.
Macro-Symmar ligh Modulation	This new angle of Their 8 d advance  120mm 150mm 210mm 210mm  The new 4:1—ide accurate 120mm 180mm  Especial Their 6-toutstand 150mm 210mm 240mm 240mm 270mm	w Super-Sy view. The element 6 g of flourite g Copol 0 Copol 3 Copol 3 Copol 0 Copol 1 Copol 0 Copol 1 Copol 0 Copol 1 Copol 0 Copol 1	mmar lens se superior group designass eleme 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64	series proves specification offers ou offers ou on the series greatly reduced by the series of the s	rides increons allow tstanding center.  Yes Yes Yes Yes A for optimuct photoced image Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	eased flex: for greate performa  67mm 77mm 100mm  100mm  mum perfe graphy. It e distortio  40.5mm 58mm  enses are is optimiz alf-tone or  35.5mm 49mm 52mm 58mm	211mm 254mm 254mm 356mm  234mm* 353mm*  also exceller red for magn riginals. G-C  189mm** 260mm** 298mm**	82° 80° 80°  1, and producal design allow  55° 55°  the for closeups iffications around allowed allowe	th larger imagerater formal ymmar HM l  4" x 5" 5" x 7" 8" x 10"  ces excellent results for greater  5" x 7" 8" x 10"  c, tabletop, and the targe image imag	ge circles a tt coverage enses incor  \$C8120 \$C8150 \$C8210  results bety coverage,  \$C7505 \$C7520  d photomately reproduce are produced	s1099.0 \$1589.0 \$2449.0 \$1589.0 \$2449.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.0 \$1329.
ligh Modulation  Acro-Symmar	This never angle of Their 8 of advance  120mm 150mm 210mm 210mm  The new 4:1—ide accurate 120mm 180mm  Especial Their 6-routstand 150mm 210mm 210mm 240mm	w Super-Sy view. The element 6 g of flourite g Copol 0 Copol 1 Copol 3 v Macro-Sy eal for flat e color rence Copol 0 Copol 1 Copol 0 Copol 1 Copol 0 Copol 1 Copol 1 Copol 1 Copol 1 Copol 1 Copol 1	mmar lens se superior group designass eleme 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64 5.6-64	series proves specification offers ou offers ou ont near the 8-6 8-6 8-6 8-6 8-4 8-4 8-4 8-4 8-4 8-4 8-4 8-4 8-4 8-4	rides increons allow tstanding center.  Yes Yes Yes Yes A for optimuct photo ced image Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	eased flex: for greater performa  67mm 77mm 100mm  mum perfe graphy. It distortio  40.5mm 58mm  enses are is optimizalf-tone or 35.5mm 49mm 52mm	211mm 254mm 254mm 356mm  cormance at 1 s symmetrica n.  234mm* 353mm*  also exceller red for magn riginals. G-C	82° 80° 80°  1, and producal design allow  55° 55°  the for closeups iffications around allowed allowe	th larger imagerater formal ymmar HM last series and series excellent the series excellent series for greater series and 1:1 and the series excellent per series excellent series excellent series excellent series excellent series for greater series excellent ser	ge circles a tt coverage enses incor  \$C8120 \$C8150 \$C8210  results bety coverage,  \$C7505 \$C7520  d photomately reproduce are produced	s1099.0 \$1589.0 \$2449.0 \$1589.0 \$1329.0 \$1329.0 \$5589.5 \$5639.5 \$639.5

#### NIKKOR

#### **Nikkor Large Format Lenses**

Nikkor has made its mark in large format circles by producing some of the sharpest, brightest and most innovative lens designs available today. Each Nikkor Large Format Lens is designed to produce images of the highest quality for specific applications.

Nikon Inc. limited warranty is included with all Nikkor large format lenses purchased from Calumet. If you should need technical assistance with your lens purchase, call toll-free, 1-800-CALUMET.



	Focal Length	Type of Shutter	Aperture Range	Lens Construction	Multi- Coating	Filter Size	Image Circle	Angle of Coverage	Maximum Format Size	Item Number	Lens with Copal Shutte
V Series	Wide co	vering pow	er, wide in	nage circle,	and high	resolution	n characterize	these lenses	. 3 rag 72 1		
	65mm	Copal O	4.0-45	7-4	Yes	67mm	170mm**	105°**	4"x5"	NL1805	5989.95
	75mm	Copal O	4.5-45	7-4	Yes	67mm	200mm**	106°**	4"x5"	NL1807	\$1129.00
A STATE OF THE STA	90mm	Copal O	4.5-64	7-4	Yes	82mm	235mm**	105°**	5" x 7"	NL1810	\$1219.00
	90mm	Copal O	8.0-64	8-4	Yes	67mm	235mm*	105°*	5" x 7"	NL1815	\$769.95
							1				7,0,,,,
	120mm	Copal O	8.0-64	8-4	Yes	77mm	312mm*	105°*	5" x 7"	NL1816	\$1039.00

W Series	These le	enses are ne or reproduc	early free of tion.	f distortion	, curvatui	e of field,	and chromat	tic aberration	. Also feature	s enhanced	contrast
	105mm	Copal O	5.6-45	6-4	Yes	52mm	153mm*	74°*	2¼" x 3¼"	NL1818	\$469.95
	135mm	Copal O	5.6-64	6-4	Yes	52mm	200mm*	73°*	4" x 5"	NL1820	\$519.95
	150mm	Copal O	5.6-64	6-4	Yes	52mm	210mm*	70°*	4" x 5"	NL1830	\$519.95
	180mm	Copal 1	5.6-64	6-4	Yes	67mm	253mm*	70°*	5" x 7"	NL1840	\$579.95
	210mm	Copal 1	5.6-64	6-4	Yes	67mm	295mm*	70°*	5" x 7"	NL1850	\$649.95
C. TITLE	240mm	Copal 3	5.6-64	6-4	Yes	82mm	336mm*	70°*	8" x 10"	NL1860	\$1149.00
	300mm	Copal 3	5.6-64	6-4	Yes	95mm	420mm*	70°*	8" x 10"	NL1865	\$1479.00
	360mm	Copal 3	6.5-64	6-4	Yes	95mm	494mm*	69°*	11" x 14"	NL1866	\$1549.00

M Series	Chroma variation	tic aberrati ns in color	ons are cor are assured	rected for	the entire	visible por	rtion of the sp	pectrum, and	d faithful repro	oduction of s	subtle
	200mm 300mm	Copal 0 Copal 1	8-64 9-128	4-3 4-3	Yes Yes	52mm 52mm	210mm* 325mm*	55°* 57°*	4" x 5" 8" x 10"	NL1869 NL1870	\$549.95 \$639.95
	450mm	Copal 3	9-128	4-3	Yes	67mm	440mm*	52°*	8" x 10"	NL1880	\$1109.00

AM Series	These A correction	po-Macro lon of chron	enses are de natic aberra	esigned exc tion.	clusively f	or close-up	work. ED (I	Extra-low Di	spersion) gla	ss provides e	excellent
	120mm	Copal 0	5.6-45	8-4	Yes	52mm	250mm***	55°***	4" x 5"	NL1867	\$969.95
	210mm	Copal 1	5.6-64	8-4	Yes	67mm	400mm***	51°***	8 x 10"	NL1868	\$2019.00

T-ED Series	True tele	ephoto lens	ses for maxi	imum foca	ıl length v	vith minim	um bellows	draw. Featur	re interchange	able rear len	s units.
	270mm	Copal 1	6.3-64	5-4	Yes	67mm	160mm*	33°*	4" x 5"	NL1890	\$1369.00
40	360mm	Copal 1	8.0-64	5-4	Yes	67mm	210mm*	33°*	4" x 5"	NL1894	\$1759.00
	500mm	Copal 1	11-64	6-4	Yes	67mm	210mm*	24°*	4" x 5"	NL1896	\$1829.00
	600mm	Copal 3	9-64	6-5	Yes	95mm	310mm*	29°*	5" x 7"	NL1898	52429.00
	720mm	Copal 1	16-64	7-4	Yes	67mm	210mm*	17°*	5" x 7"	NL1899	\$1969.00
	800mm	Copal 3	12-64	7-5	Yes	95mm	310mm*	22°*	5" x 7"	NL1900	\$2619.00
	1200mm	Copal 3	18-64	8-5	Yes	95mm	310mm*	15°*	5" x 7"	NL1901	\$2809.00

*f/22 **f/16 ***@ 1:1 (f/22)

#### **T-ED Series Conversion Lens Units**

Focal length of T-ED lenses can be converted by simply removing the rear lens unit and replacing it with one of these converter units. *Note: Converted lenses retain the specifications of the original FRONT element and shutter combination.* 

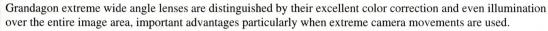
500mm to 360mm Conversion Lens	
NL1902	\$445.95
360mm to 500mm Conversion Lens	
NL1904	\$517.95
800mm to 600mm Conversion Lens	
NL1906	\$579.95

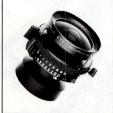


#### RODENSTOCK

warranty	Focal Length	Type of Shutter	Aperture Range	Lens Construction	Multi- Coating	Filter Size	Image Circle*	Angle of Coverage*	Maximum Format Size	Item Number	Lens with Copal Shutter
----------	-----------------	--------------------	-------------------	----------------------	-------------------	----------------	------------------	--------------------	------------------------	----------------	----------------------------

#### Grandagon





65mm	Copal O	4.5-45	8-4	Yes	58mm	170mm	105°	4" x 5"	RS2000	\$1049.00
75mm	Copal O	4.5-45	8-4	Yes	67mm	195mm	105°	4" x 5"	RS2010	\$1149.00
90mm	Copal 1	4.5-45	8-4	Yes	82mm	236mm	105°	5" x 7"	RS2020	\$1299.00
75mm	Copal O	6.8-45	6-4	Yes	58mm	187mm	100°	4" x 5"	RS2005	\$729.95
90mm	Copal O	6.8-45	6-4	Yes	67mm	221mm	102°	5" x 7"	RS2015	\$799.95
115mm	Copal 1	6.8-45	6-4	Yes	82mm	291mm	104°	5" x 7"	RS2025	\$1299.00
155mm	Copal 1	6.8-45	6-4	Yes	105mm	382mm	102°	8" x 10"	RS2030	\$2899.00

#### **Apo-Sironar-N**

These general-purpose workhorse lenses offer high performance at a low price. Equally suited for use in the studio and in the field, the Apo-Sironar-N design virtually eliminates color fringing and minimizes flaring, even under unfavorable conditions. Other notable attributes include uniform illumination and excellent distortion correction.



100mm	Copal O	5.6-45	6-4	Yes	40.5mm	151mm	72°	2¼" x 3¼"	RS1300	\$479.95
135mm	Copal O	5.6-64	6-4	Yes	40.5mm	200mm	72°	4" x 5"	RS1305	\$529.95
150mm	Copal O	5.6-64	6-4	Yes	49mm	214mm	72°	4" x 5"	RS1310	\$549.95
180mm	Copal 1	5.6-64	6-4	Yes	58mm	262mm	72°	5" x 7"	RS1315	\$729.95
210mm	Copal 1	5.6-64	6-4	Yes	67mm	301mm	72°	5" x 7"	RS1320	\$799.95
240mm	Copal 3	5.6-64	6-4	Yes	77mm	350mm	72°	8" x 10"	RS1325	\$1295.00
300mm	Copal 3	5.6-64	6-4	Yes	86mm	425mm	72°	8" x 10"	RS1330	\$1799.00
360mm	Copal 3	6.8-64	6-4	Yes	105mm	435mm	64°	8" x 10"	RS1335	\$2099.00
480mm	Copal 3	8.4-90	6-4	Yes	112mm	500mm	56°	11" x 14"	RS1340	\$2695.00

#### **Apo-Sironar-S**

These "enhanced performance" lenses provide a larger angle of coverage to allow for generous camera movements. With ED (extra-low dispersion) glass, Apo-Sironar-S lenses can obtain apochromatic correction with excellent center-to-edge resolution, and reduced flare in high-contrast subjects as well as in critical back-light situations.



34	135mm	Copal O	5.6-64	6-4	Yes	49mm	208mm	75°	4" x 5"	RS3005	\$649.95
	150mm	Copal O	5.6-64	6-4	Yes	49mm	231mm	75°	4" x 5"	RS3010	\$709.95
	180mm	Copal 1	5.6-64	6-4	Yes	67mm	276mm	75°	5" x 7"	RS3015	\$846.95
	210mm	Copal 1	5.6-64	6-4	Yes	72mm	316mm	75°	5" x 7"	RS3020	\$990.95
1	240mm	Copal 3	5.6-64	6-4	Yes	86mm	372mm	75°	8" x 10"	RS3025	\$1609.00
	300mm	Copal 3	5.6-64	6-4	Yes	100mm	448mm	75°	8" x 10"	RS3030	\$2199.00
Y	360mm	Copal 3	6.8-64	6-4	Yes	112mm	468mm	68°	8" x 10"	RS3035	\$2499.00

#### **Apo-Sironar-W**

Sophisticated 7-element/5-group construction and ED (extra-low dispersion) glass provide extreme camera movements in nominal format, and moderate wide-angle applications in the next larger format. Great for architecture and product.



	150mm	Copal 1	5.6-45	7-5	Yes	72mm	252mm	80°	5" x 7"	RS1410	\$1079.00
	210mm	Copal 3	5.6-64	7-5	Yes	105mm	352mm	80°	8" x 10"	RS1420	\$1689.00
73	300mm	Copal 3	5.6-64	7-5	Yes	127mm	490mm	80°	11" x 14"	RS1430	\$3359.00

#### **Apo-Ronar**

These versatile apochromatically corrected lenses produce optimum color fidelity, contrast, definition and freedom from distortion. Ideally suited for exacting close-up work in commercial and industrial applications, the Apo-Ronars yield consistent quality in shots from same-size reproduction, to subjects at infinity (*i.e. landscapes*).



150mm	Copal O	9-64	4-4	Yes	40.5mm	135mm	48°	2¼" x 3¼"	RS4150	\$649.95
240mm	Copal 1	9-90	4-4	Yes	49mm	212mm	48°	4" x 5"	RS4240	\$849.95
300mm	Copal 1	9-90	4-4	Yes	49mm	264mm	48°	5" x 7"	RS4300	\$989.95

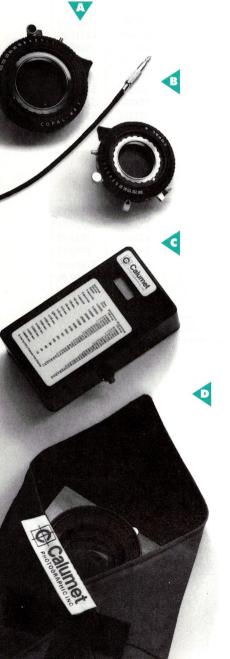
#### Macro-Sironar

Especially designed for close-up photography, this six element lens produces optimum quality between the limits of 3x reduction and 3x enlargements. For best image reproduction quality within these limits, the optical elements can be set in different positions in the shutter according to the desired image scale. Macro-Sironar color rendition is superb.



210mm	Copal 3	5.6-64	6-4	Yes	67mm	525mm**	64°	8" x 10"	RS1022	\$1449.00
300mm	Copal 3	5.6-64	6-4	Yes	77mm	550mm**	50°	8" x 10"	RS1032	\$2899.00

## Lansessories



#### Copal Shutters* (A)

All Copal shutters feature a press focus lever (for focusing), full X sync, and come supplied with mounting rings. *NOTE: Aperture scales are purchased separately.* Call for details.

#### Copal #0 Shutter

#### Copal #1 Shutter

1/400 - 1 sec., T and B settings, 41.8mm lensboard opening. CO2000......\$219.95

#### Copal #3 Shutter

1/125 - 1 sec., T and B settings, 65.3mm lensboard opening. CO3000.....\$369.95

#### Copal #0 Press Shutter

Self-cocking, 1/125 - 1 sec., and B **CO4000......\$179.95** 

#### Copal #1 Press Shutter

Self-cocking, 1/125 - 1 sec., and B **CO4500.....\$219.95** 

#### **Calumet Cable Releases**

#### 20" Pro Cable Release

Flexible, cloth covered release with disk lock for time exposures. **HV2000** (B) ......\$16.99

#### 20" Flex-Tip Cable Release Ideal for recessed lensboard.

GR1021.....\$24.95 Swivel Cable Release Adapter

#### Ideal for recessed lensboards.

CB2400 (E) .....\$24.99

#### De Groff Heavy Duty Air-Way Shutter Releases

#### 6' Universal Air Release

With 6' hose, 8" flexible adapter and bulb. *Guaranteed for life!* **DG1600 ......\$67.09** 

#### 6' Medium Format Air Release

With 6' hose, 90° adapter and bulb. *Guaranteed for life!* **DG1400** ......\$67.09

#### Calumet Solid State Shutter Tester

The Calumet Shutter Tester is a six digit LCD, direct read out, instrument with a built-in universal probe to test both focal plane and leaf shutters. The LCD shows all the timing information required, without the nuisance of calculating scales, in times from 0.00001 seconds to 9.9999 sec.

Also features a built-in voltage regulator for constant voltage over the entire life of the battery, built-in table for figuring degree of error to be compensated for in f/stops, can be used to measure the duration of electronic flash, measures 2.5" x 4.7" x 1.6" and weighs about 6 ounces with battery.

9-volt alkaline battery required.

AA8075 (C) \$69.95

#### **Calumet Wrap**

The Calumet Wrap is the best method we have found to protect lenses, meters, film backs and 35mm camera bodies.
Completely adjustable with Velcro closures.

#### 11" x 11" Calumet Wrap

For lens up to 210mm mounted on 4" x 4" lensboards.

WP2030 (D) .....\$9.95

#### 19" x 19" Calumet Wrap

For lens up to 300mm mounted on 6"x 6" lensboards.

WP2035 .....\$11.99

#### **Calumet Lens Cleaning Kit**

Contains 38ml. Lens Cleaner, 25 sheets of 3" x 5" Lens Cleaning Paper and 6½" x 7" reusable Lens Cleaning Cloth. CQ1010........\$2.95

Calumet Lens Cleaner (38ml.) CQ1000 (F).....\$1.49

Calumet Lens Cleaning Paper 50 sheets of 4" x 6" tissues.

CQ1005.....\$1.25

#### 1/4

#### Spanner Wrench Kits

#### Mini-Spanner Wrench

#### **Heavy-Duty Wrench**

#### **Deluxe Spanner Wrench**

Designed especially for camera and optical work. Precision screw-drive adjusts quickly and easily from 0" to 3" diameters. Flat bladed tips.

HR1010 (I).....\$191.95

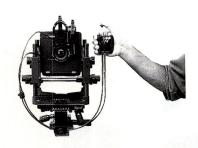
#### Spanner Wrench

With adjustable blades to 78mm. **KT1020......\$29.95** 









#### **Prontor Professional Shutter System**

This convenient professional shutter system permits the setting and reading of the f/stops from behind the camera. Mechanically controlled, self-cocking shutter is always ready to shoot, even for multiple exposures in quick succession. The Prontor shutters feature practical shutter speed ranges from 1/125 sec. to 1 sec. and B, protected flash connection with high friction plug, clearly visible and conveniently located scales and accessible operating elements.

Note: Prontor Shutter requires calibration for the lens it is to be used with. Please specify which lens is to be used when ordering any Prontor Shutter. Cannot be mounted to recessed lens boards or Fuji lenses. When having lensboards drilled, Prontor 0 should be drilled to Copal 1 size.

Prontor Shutter 0	PW0100\$379.95
Prontor Shutter 1	PW0200\$379.95
Prontor Shutter 3	PW0300\$669.95

#### **Aperture Setting Device**

A large scale extends over the top of the camera front permitting aperture setting from the rear of the camera.

For No. 0 Shutter	PW1001\$92.95
For No. 1 Shutter	PW1001\$92.95
For No. 3 Shutter	PW1031\$92.99

#### **Time Setting Device**

Allows reading the exposure times from over the camera body and setting them from the rear. (Requires aperture setting device.)

For No. 0 Shutter	PW0102\$86.95
For No. 1 Shutter	PW0102\$86.95
For No. 3 Shutter	PW1032\$109.95

#### **Remote Control Accessory**

This combination remote control/cable release lets you control your shutter from behind the camera.

PW2000	\$259	95

#### **Automatic Cartridge Accessory**

Automatically closes shutter when the film holder is inserted. Couples with the remote control accessory. (Requires camera back to be equipped with M 6 screw-in connection

m o screw-in connection.)	
PW2010	\$48.95



Camera	Dimensions	Flat	Recessed
Cambo/Calumet	6 %" square	CB0508	CB1508
Calumet 400	3 15/16" square	CC4503	CC4504
Arca Swiss 6x9cm	4 1/3" square	AB9100	AB9200
Arca Swiss 4x5, 8x10	6 ¾" square	AB9400	AB9450
Horseman View	5 1/16" square	HR4695	
Toyo-View	6 ¼" square	TY46550	TY46580
Toyo-Field 45A	4 15/6" square	TY4505	TY4508
Calumet Wood-Field	3 % " square	CW1010	
Wood-Field XM	3 %" square	WF10100	
Wood-Field 8x10	5 %" square	WF2010	20.0
Linhof	3¾"x3%"	LN2000	
Wista 4x5	3 %" square	LB1000	31 3
Linhof Kardan	6 %" square	LB0015	LB0020
Deardorf 6x6	6" square	LB0010	
Deardorf 4x4	3 15% " square	CC4503	
Calumet C-1 8x10	6" square	CC8102	6-11-2°
Zone VI 4x5	3 15% " square	ZN1010	
Zone VI 8x10	5 ½ " square	ZN2010	
Sinar	5 1/46" square	HR4693	



#### **Extra Lens Value!**

As an extra value with all large format lenses purchased from Calumet, you will receive a FREE Lensboard*, Lensboard Drilling and Professional Lens Mounting for your lens. This convenient service not only delivers your lens to you "ready to shoot," but also saves you up to \$50!

* For Calumet, Cambo, Woodfield and Zone VI cameras only.

#### **Lens and Shutter Repair Service**

In addition to warranty repair work on all Caltar Lenses, Calumet repairs most large format shutters, including Prontor, Copal, Compur, Ilex and Seiko. For details, contact the Calumet Customer Service Department at 1-800-453-2557.



#### At Your Service! **Calumet Precision Lensboard Drilling**

At Calumet, lensboard drilling is still considered a fine craft. While many drillers use the quick method of a rough saw cut, our lens technicians use single point bits on an old-fashioned lathe for the most precise, fine-finish cuts. Each lensboard is then measured to the nearest .0001" and hand finished, if necessary, until it meets with our high standards. Although this kind of craftsman-like quality usually takes time, we can provide same-day rush service or our standard two-day service. Calumet also offers custom lens mounting. Call 1-800-CALUMET for details.



#### 503CX (A)

Features built-in dedicated OTF (off the film plane) flash metering for automatic and accurate flash exposures. Provides flash ready light and exposure signal, which indicates sufficient light, in the camera's viewfinder from TTL measure-ments. Enjoy complete control, with flash synchronization at all shutter speeds up to 1/500 sec.

Features Palpas anti-reflection coating and super-bright Acute-Matte focusing screen. Expand the camera's capabilities with a wide choice of magazines, viewfinders and focusing screens.

503CX body

Chrome HA1018 ......\$1569.00 HA1019 ......\$1569.00 Black

#### 501C Camera

This ready-to-shoot 21/4" x 21/4" camera operates simply and reliably. Sporting an 80mm Planar f/2.8 lens, 12-exposure 120 film back, brilliant acute matte focusing screen, fixed rapid wind film-advance crank and both 1/4-20 and 3/4" tripod mounts, the 501C becomes the easiest-to-use and most compact entry-level 21/4-square SLR ever.

The 501C body accepts all Hasselblad system CF lenses, viewfinders, film backs and focusing screens for unlimited growth and diversification. For 6x4.5 format originals, a 645 snap-in mask is also available.

501C body sold only with acute matte screen, 80mm C lens, and A-12 magazine. Available in black only.

HA0050 .....\$2195.00

#### 553ELX (B)

Ideal for studio and location photography, the 553ELX features a built-in motor drive that advances single pictures or sequences with or without the mirror locked up and with remote control. Plus, the flash metering system measures light throughthe-lens and off-the-film-plane. The Acute-Matte focusing screen comes with the 553ELX, for bright, corner-to-corner images.

553 ELX body

Chrome HA1050 ......\$2371.00 Black HA1055 ......\$2371.00

#### 903SWC (C)

Lightweight, compact, wideangle camera which features a removable optical viewfinder with built-in spirit level and image limit markings for 6 x 4.5cm and 4 x 4cm formats.

The built-in 38mm f/4.5 Zeiss Biogon distortion-free lens features a 90° diagonal angle of view with superb contrast over the entire film plane. Its leaf shutter lens allows flash synchronization at all shutter speeds up to 1/500 sec. The 903SWC accepts the full range of Hasselblad film magazines. Requires film magazine.

903SWC body

Chrome HA1070 ......\$4396.00 HA1013 ......\$4396.00 Black

#### 205TCC (D)

A microprocessor calculates input data and controls all camera's functions. TCC lenses and backs interface with body through digital connectors while integrated 1° spot meter provides exposures in 4 modes: aperturepriority; aperture-priority that reads brightness range within the scene; zone mode which keeps all subject tones within film's latitude; and a manual exposure mode times when for full control over all settings is desired.

The 205TCC also allows for

TTL/OTF exposure control from any dedicated flash unit, as well as the programming values such as film dynamics, self-timer delays from 2 to 60 sec., and film speed settings with non-TCC magazines. Features a digitalcontrolled focal plane shutter with speeds from 16 sec. to 1/2000 sec., and acute-matte focusing screen for bright viewing and focusing.

205TCC body

Chrome HA1071 ......\$6445.00 HA1072 ......\$6445.00 Black



#### 201F

#### Quintessential portrait camera

Ideal for studio and hand-held flash portraits, such as weddings. Its TTL center-weighted dedicated system with OTF metering balances flash and ambient light effortlessly when used with a dedicated flash. With the Proflash 4504, just connect it to the camera, enter the film speed with the film speed dial, point and shoot. Other dedicated flash units will require an optional adapter.

The 201F's focal plane shutter provides electronically controlled speeds from 1 to 1/1000 sec. - in half-stop increments - plus B for

longer speeds for use with FEtype lenses. It also has a setting for the CF-type lenses, with builtin leaf shutter for full flash synchronization at all shutter speeds up to 1/500 sec. It's the best of both worlds.

Other convenient features include instant-return mirror, hassle-free multiple exposures, self timer with 10- and 2-sec. delays, motor winder compatibility (optional) and acute-matte focusing screen.

201F body

Chrome HA1030 ......\$2995.00 Black HA1032 ......\$2995.00



#### **CF** Lenses & Dedicated Lens Shades

#### (Series 60 unless noted)

30mm CF Distagon f/3.5 Fisheye (4 filters included) HA1100.....\$4889.00

40mm CF Distagon f/4

(Series 93)*

HA1105.....\$3509.00

50mm CF Distagon f/4 HA1113.....\$2279.00

Lens shade HA3050 ...... \$85.79 60mm CF Distagon f/3.5

HA1115.....\$2029.00 Lens shade HA3050......\$85.79

80mm CF Planar f/2.8

HA1120.....\$1449.00

Lens shade HA3051 ...... \$85.79

100mm CF Planar f/3.5

HA1125.....\$2079.00 Lens shade HA3052.....\$94.09

120mm CF Makro-Planar f/4

HA1135.....\$2329.00

Lens shade HA3052......\$94.09

135mm CF Makro-Planar f/5.6

HA1140.....\$2069.00 Lens shade HA3052 ..... \$94.09

150mm CF Sonnar f/4

HA1145.....\$2329.00 Lens shade HA3052.....\$94.09

180mm CF Sonnar f/4

HA1148.....\$2559.00 Lens shade HA3052.....\$94.09

250mm CF	Sonnar f/5.6	
HA1150		\$2619.00
Lens shade	HA3052	\$94.09

250mm CF Sonnar Super Achromat f/5.6

HA1155.....\$4229.00 Lens shade HA3052......\$94.09

350mm CF Tele-Tessar f/5.6 (Series 93)*

HA1160.....\$3639.00

500mm CF Tele-Apotessar f/8.0 (Series 93)*

HA1165.....\$4779.00

140-280mm CF Variogon f/5.6 HA1168.....\$5419.00

2x E Tele-converter

HA1172.....\$1119.00

#### **Zeiss PC-Mutar** 1.4X Shift Converter

Solve vertical distortion with this unique medium format accessory. When placed between the camera and lens you can adjust the vertical perspective ± 16mm. The PC-Mutar works on any F, CF or C lens that has a focal length between 40 and 100mm. Doubles as a 1.4X converter in the neutral position. A double cable release is included to synchronize triggering of camera and lens. HA1175.....\$2839.00

* Includes lens shade



#### Film Magazines

A12 12 exp. 2 ½ x 2 ½ (black HA2090 (A)	k) 5 <b>14.95</b>
A12 12 exp. 2 ½ x 2 ½ (chro <b>HA2060</b> \$6	me) 614.95
A16 16 exp. 1 % x 2 ¼ (black HA2092\$6	
A16 16 exp. 1 % x 2 ¼ (chro <b>HA2062</b> \$6	me) <b>89.95</b>
A24 24 exp. 2 ¼ x 2 ¼ (black <b>HA2096\$6</b>	k)
A24 24 exp. 2 ½ x 2 ½ (chro <b>HA2068</b> \$6	me)
70mm for 70 exp. 2 ½ x 2 ½ (black) <b>HA2098\$9</b>	
70mm for 70 exp. 2 ½ x 2 ½ (chrome) <b>HA2070</b> \$9	99.95
Replacement Dark Slide for roll film magazines HA2120	
Magazine 100 for Polaroid Film <b>HA2076</b> (B)\$4	116.95
Replacement Dark Slide for Polaroid 100 Magazine	



#### **Viewfinders**

#### PM-90 Meter Prism Finder

In-line, eve-level viewer with 2X image. Especially suited for A16 (6x4.5cm) film magazine.

HA2250 (C) .....\$595.00

PME-51 Meter Prism Finder

Center-weighted metering with 45° sighting angle.

HA22595.....\$1449.00

#### PM-5 Prism Finder

Yields unreversed image 3X larger than focusing screen. 45° sighting angle. Built-in flash shoe.

HA2258.....\$879.95

#### **Magnifying Hood**

Enlarges the focusing screen image 3 ½ times and eyepiece allows from +3.5 to -2.5 diopter adjustment.

HA2255.....\$398.95

#### RM-2 Reflex 90° Finder

Unreversed image 3X larger than focusing screen. Extra large exit pupil, ±5 diopter correction, perfect for eyeglass wearers. HA2262.....\$1149.00

#### TCC Lenses& Accessories

HA2122.....\$16.09

For use only with Hasselblads with focal plane shutters.

50mm f/2.8 TCC Planar (93Ø)* HA1074.....\$3439.00 80mm f/2.8 TCC Planar (60Ø) HA1073.....\$1689.00 Lens shade HA3051 ..... \$85.79

110mm f/2 TCC Planar (70Ø) HA1075.....\$3399.00 Lens shade HA3116 .... \$103.95

150mm f/2.8 TCC Sonnar (70Ø) HA1076.....\$2969.00 Lens shade HA3116....\$103.95

250mm f/4 TCC Tele-Tessar (70Ø) HA1077.....\$3189.00

Lens shade HA3116....\$103.95 350mm f/4 TCC Tele-Tessar (93Ø)* HA1078.....\$7169.00

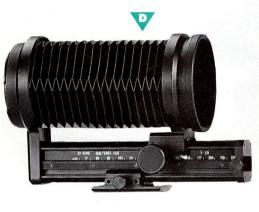
A12 TCC Chrome Film Mag. HA1079.....\$1089.00 A12 TCC Black Film Mag. HA1080.....\$1089.00 A16 TCC Chrome Film Mag. HA1081.....\$1139.00 A16 TCC Black Film Mag. HA1082.....\$1139.00 A24 TCC Chrome Film Mag. HA1083.....\$1129.00 A24 TCC Black Film Mag.

HA1084.....\$1129.00 TCC Winder

HA1092.....\$799.95

TCC Winding Crank HA1093.....\$53.95







#### **Close-up Accessories**

Automatic Bellows Extension <b>HA4070</b> (D)\$1369.00
Variable Extension Tube 64-85 <b>HA4069\$749.95</b>
Extension Tube 8 <b>HA4056\$299.95</b>
Extension Tube 16 <b>HA4060\$279.95</b>
Extension Tube 32 <b>HA4064\$299.95</b>
Extension Tube 56 <b>HA4068\$339.95</b>
Proxar 0.5 Series 60 <b>HA5150\$170.95</b>
Proxar 1.0 Series 60 <b>HA5152\$170.95</b>
Proxar 2.0 Series 60 <b>HA5154\$170.95</b>

#### **Series 60 Filters**

and Adapt	ers
UV Sky	HA5132\$117.95
CR 1.5	HA5134\$117.95
CR-3	HA5135\$117.95
Yellow	HA5120\$117.95
Green	HA5122\$117.95
Orange	HA5124\$117.95
Red	HA5126\$117.95
Polarizing	HA5128\$251.95
ND 8X	HA5130\$117.95
Softar I	HA5160\$179.95
Softar II	HA5162\$179.95
Softar III	HA5164\$179.95
Series 50-60	Step-up Ring
	\$103.95
Series 60-70	Step-up Ring
HA3068	\$94.99
Tiffen Series	60 to Series 8
	\$42.95
Tiffen Series	
	\$26.49
	Holder 50-70
HA3066	\$24.29

#### Acute-Matte

Increase the brightness of your
standard focusing screen 3 to 8X
depending on the aperture used.
HA3241\$209.95
Acute-Matte Split Image w/Grid
HA3245\$249.95
Microprism w/Grid
HA3208\$67.79
Microprism w/Split Image
HA3212\$67.79

- 1 Al (Al(0)), ()
Miscellaneous Accessories
Camera Strap (regular) <b>HA2278\$24.99</b>
Camera Strap (wide) HA3330\$33.29
Camera Strap (contoured) HA3331\$59.59
Rapid Wind Crank Universal HA2200\$66.79
Flash Adapter SCA 390 <b>HA5705\$188.95</b>
Flash Adapter SCA 590 HA3432\$219.95
Adjustable Flash Shoe HA3320\$61.95
Tripod Quick Coupling HA3323\$107.95
Spirit Level <b>HA3414</b> \$52.49
FK-30 Release Cord (.3 m) HA6034\$42.69
SK150 Release Cord (1.5 m) HA6040\$45.69
Battery 1 (for older EL models) HA6000CALL
Motor Fuse (for all EL models) <b>HA6054\$1.88</b>
Rear Body Cover <b>HA7500\$12.09</b>
Front Body Cover HA7502\$8.00

Rear Lens Cap

HA7524 .....\$11.09

#### **Professional** Lenshade 6093T

This new professional lens shade has been improved with the several refined features including a softer bellows for smoother operation, a more efficient position lock for different focal lengths, a wider front opening to prevent vignetting with wide angle lenses, and more clearly marked indexes for easier handling. The 6093T is designed to fit all Hasselblad lenses (except 30mm fisheye). Its compact, folding design makes it easy to use and store for transport. The shade extends to nearly 90mm and offers a wide range of filter options for glass, gelatin, plastic and polyester. Comes complete with mask for 250mm CF lens and L-connector for use with cable release. Requires lens mounting adapter. HA3060.....\$299.95

#### **Proshade 6093T Lens Adapters**

Series 60	HA3070	\$48.99
Series 70	HA3072	\$88.99
Series 93	HA3074	\$116.95
67mm	HA3075	\$37.09

#### **Proshade 6093T Accessories**

75mm (3") Gelatin Filter Holder
HA3076 (Pkg of 5)\$25.19
100mm (4") Gelatin Filter Holder
HA3078 (Pkg of 5)\$30.09
Prosoft Filter Kit (100mm)
HA3080\$157.95

Hasselblad prices in effect at time of publication and subject to change without notice.

#### CALUMET~ IS A FULL-LINE DEALER



#### Xenophon/Calumet Filter Holder for Proshade

#### **New Calumet Exclusive** Fits All Hasselblad Proshades!

This handy 4" slide-in filter holder allows you to easily and quickly add color correction or special effect filters to any Hasselblad Proshade. It is made of light-weight anodized aluminum, is extremely compact and can be attached directly to the front of any of the three versions of Hasselblad Proshades. Mounting special effects filters, such as Calumet's Graduated Color and ND Resin Filters, allows you to change its effect by adjusting the length of the shade's bellows. Any 4" filter is automatically (and safely!) held in position by built-in selflocking tension springs. XB7100 .....\$69.95

#### MAMIYA



#### **RZ67 PRO II**

#### The Latest in 6x7cm Technology!

RZ67 PRO II gives you all of the features of the RZ67, but with the following advancements in precision and user-friendly electronic technology:

- Ultra-fine focusing dial
- Intermediate manual shutter speed settings for electronically timed ½ steps in exposure
- Mechanical 1/400 sec. shutter speed override
- Viewfinder signals include Low Battery, Dark Slide Position & Shutter Not Cocked
- Audible warning signals to promote proper operation
- Shutter release safety lock MA0282 .....\$1749.00

#### **RZ 67 PRO II Accessories** AE Prism Finder (for RZ 67 also) MA2406.....\$1109.00

Focusing Screen A4 Checker MA23625 .....\$60.29 Focusing Screen Matte MA2367 .....\$60.29 120 Roll Film Holder MA25005 .....\$577.95 220 Roll Film Holder MA2506 .....\$577.95 6x4.5 Roll Film Holder MA25075 .....\$575.95

#### MA4500 .....\$52.99 RZ 67 Body & RZ 67 Accessories

Mamiya/Metz SCA 395 Module

for in-camera flash-ready light,

RZ 67 body w/ waist level finder & matte screen. Subject to availability.

MA0280 .....\$1429.00 Prism Finder Model II MA2318 .....\$766.95

AE Prism Finder RZ MA2405 .....\$1099.00 Bellows Lens Hood Model G2

MA2561 .....\$192.95

RZ Series Lenses
37mm f4.5Z Fisheye (40.5Ø)
<b>MA1710\$2420.00</b> 50mm f4.5Z (77Ø)
50mm f4.5Z (77Ø)
MA1720\$1475.00 65mm f4L-AZ11 (77Ø)
MA1731\$1689.00
75mm f4.5 Z Shift (105Ø)
MA1735\$2839.00
75mm f3.5 Z11 (77Ø)
MA1736\$1679.00
90mm f3.5Z (77Ø) MA1737\$1269.00
110mm f2.8Z (77Ø) MA1740\$1299.00
127mm f3.5Z (77Ø) MA1744\$1339.00
140mm f4.5L-AZ11 Macro (77Ø) MA1747\$1689.00
150mm f3.5W (77Ø)
MA1748\$1339.00
180mm f4.5Z (77Ø)
MA1750\$1359.00
210mm f4.5Z APO (77Ø)
MA1755\$3009.00
250mm f4.5Z (77Ø)
MA1760\$1739.00
250mm f4.5Z APO (77Ø) MA1762\$3449.00
350mm f5.6Z APO (77Ø)
MA1763\$3849.00
360mm f6.0Z (77Ø)
MA1765\$2029.00
500mm f8.0Z (105Ø) MA1770\$4029.00
500mm f6Z APO (105Ø)
MA1771\$5589.00



#### P767 Accessorie

KZO/ Accessories
6 x 4.5 Roll Film Holder RZ <b>MA2507\$549.00</b>
6 x 6 Roll Film Holder RZ <b>MA2508\$549.00</b>
G-Adapter (for RB backs on RZ) <b>MA2510\$101.95</b>
RZ Power Winder II <b>MA1780\$506.95</b>
Radio Remote Control Set MA2532\$109.95
L Grip for RZ <b>MA2026\$212.95</b>
Mirror-UP Cable Release MA2940\$74.39
Auto Extension Tube #1 <b>MA2880\$414.95</b>
Auto Extension Tube #2 <b>MA2882\$462.95</b>

#### **RZ Focusing Screens**

AL TOCOSHING OCICCIIS
Type A4 Checker Screen <b>MA2362\$60.69</b>
Type B Split Image Screen <b>MA2363\$60.69</b>
Type D Cross-hair Screen <b>MA2364\$60.69</b>
Type A3 Matte Screen <b>MA2366\$60.69</b>
Type C Microprism Screen MA2368\$60.69
Type E Split/Microprism Screen MA2370\$60.69



#### **Pro-Cabin 67Z Medium Format Projector**

#### **Compact and Portable!**

This unique medium format projector allows you to share your 6x7, 6x4.5 and 6x6cm transparencies with editors, art directors, audiences or friends. The 67Z accepts 85x85mm glassmounted transparencies (6x6 or 6x7 format). A 300 watt quartzhalogen lamp projects a brilliant image through a high quality optical array consisting of a mirror reflector, a convex/aspheric double condensor system and a

quality projection lens. Also features elevation adjustment and cooling fan. Choose from a variety of optional slide carriers. including 6x7, 6x6/6x4.5, 35mm and unmounted 120 filmstrip.

Pro-Cabin 67Z w/150mm f/3.5 lens MA6710.....\$1075.00 Pro-Cabin 67Z w/200mm f/4.5 lens MA6720.....\$1185.00 **Slide Carriers** 

6x7cm, 6x6/6x4.5cm or 35mm *Specify format* ......**\$76.39** 120 Filmstrip Carrier MA6790.....\$143.95



Camera body shown with optional accessories.

#### M645 Pro

#### In-Sync with More Pros than Ever!

With its ergonomic design, easier handling and faster operation, the 645 Pro raises the standards of excellence of professional medium format photography. Consider these features:

- 1/500 sec. Synchro-flash with automatic leaf shutter lenses
- 1/1000 sec. quartz-controlled focal plane shutter exposures
- Instant return mirror and built-in self-timer
- Aperture-priority exposure, and average spot or A/S matrix metering (for optimum metering pattern) with optional AE Prism Finder
- Accessory Power Grip 2 automatically transports film, activates focal plane shutter and cocks leaf shutter lenses.

#### M645 Pro body

Requires lens, film magazine

Requires tens, film magazine,
and finder. <b>MA0266\$1290.00</b>
M645 Pro Accessories
Pro 120 Magazine
MA2426\$395.00
Pro 220 Magazine <b>MA2427\$395.00</b>
Pro Polaroid Film Holder
MA2428\$399.00
N-2 Tripod Adapter for MA2428 <b>MA5031\$76.69</b>
120 film insert
MA2420\$92.79
220 film insert
MA2425\$92.79
35mm Magazine w/Panoramic

MA2429 .....\$500.95



#### M645 Pro Accessories, cont.

Pro Prism Finder

MA2330\$457.95
Pro AE Prism Finder <b>MA2329\$899.00</b>
Waist Level Finder <b>MA5001</b> \$149.00
Angle Finder for Prism Finders MA5027\$242.95
Left hand Grip (Small) MA5022\$215.95
Left hand Grip (Medium) MA5023\$215.95
Left hand Grip (Large) MA5024\$215.95
Power Drive Grip #2 MA50245\$495.00
Bellows Lens Hood <b>MA2819\$200.95</b>
Electro-mag. Cable Rel. Adapter MA2035\$76.39
Microprism Focusing Screen MA2341\$54.59
Matte Focusing Screen MA2342\$54.59
Matte w/Grid Focusing Screen

MA2343 .....\$44.95

Matte w/Split-image Focus Scrn.

MA2344 .....\$54.59







#### M645 Pro Lenses

For all 645 series bodies.

24mm f4.0 ULD Fisheye <b>MA1003\$1899.00</b>
35mm f3.5 N (77Ø) MA1005\$929.00
45mm f2.8S (67Ø) MA1010\$759.00
50mm f4 Shift (77Ø) MA1012\$1259.00
55mm f2.8 N/L (67Ø) With leaf shutter.
MA1015\$1349.00
55mm f2.8N (58Ø) MA1013\$595.00
<b>80mm f2.8 N/L (67Ø)</b> With leaf shutter.
MA1118\$1099.00
80mm f1.9N (67Ø) MA1110\$579.00
80mm f2.8N (58Ø) MA1112\$429.00
80mm f4 Macro (67Ø) MA1115\$949.00
110mm f2.8 (58Ø) MA1203\$669.00
145mm f4.0 SFC (77Ø) MA1210\$1099.00
150mm f3.8 N/L (67Ø)
With Leaf Shutter MA12181299.00

150mm f3.5N (58Ø) MA1214\$549.00
150mm f2.8 LD (67Ø) MA1212\$1350.00
210mm f4.0N (58Ø) MA1220\$629.00
300mm f2.8 APO-IF With six drop-in filters. MA1228\$10989.00
55-110mm f4.5N (67Ø) MA1424\$1649.00
105-210mm f4.5 ULD (58Ø) MA1431\$1559.00
300mm f 5.6 ULD (58Ø) MA1225\$1199.00
500mm f 5.6 (105Ø) MA1304\$2159.00
2X Teleconverter MA1423\$659.00
Auto Extension Tube #1 <b>MA2870\$119.95</b>
Auto Extension Tube #2 MA2871\$134.95
Auto Extension Tube #3 MA2872\$139.95
Macro Spacer For 1:1 w/80mm f/4 Macro lens only MA2893
NIA 2073



#### Mamiya 6MF

#### 6x4.5 and 6x6cm Rangefinder!

This multiple-format compact camera shoots symmetrical 6x6cm or practical 6x4.5cm on 120 or 220 film, or pictorial 54x24mm with optional 35mm Panoramic Adapter Set. The 6MF is portable and totally unobtrusive with silent electronically timed exposures. Features aperturepriority AE and manual exposure control; stepless 4 to 1/500 sec. shutter speed range; full flash sync; double image superimposing rangefinder and autoparallax correction. Requires lens. MA0602 ......\$1599.00 Mamiya 6MF Lenses For all 6 series bodies. 75mm f3.5 (58Ø) MA0610 ......\$1229.00 50mm f4 (58Ø) MA0620 .....\$1499.00

MA0630 .....\$1669.00

MA0650 .....\$195.95

135 Panoramic Adapter Set

150mm f4.5 (67Ø)

#### MAMIYA



#### Camera body shown with optional accessories.

#### **RB67 Pro SD**

#### With Increased Lens Versatility!

The Pro SD is the latest and most advanced member of Mamiya's RB67 family. The RB67 Pro SD retains a good deal of the system features which made each of its predecessors so popular among professionals, such as convenient revolving back, interchangeable film backs, mechanical lens shutters which sync with flash at all shutter speeds, bellows focusing built-in for spontaneous close-ups and an easy multiple exposure system. The Pro SD offers these features:

- Larger lens mount diameter for increased lens versatility
- Accepts KL-Series lenses, which are computer designed for sharp resolving power, consistent color-balance, and excellent contrast
- Expanded shooting options from shift and APO lenses
- Easy and direct mounting of Polaroid holder to the camera body
- Convenient dark slide storage

#### **RB67 Pro SD Body**

Includes waist level finder and matte screen.

MA0285 ......\$1329.00

CALUMET MIS A FULL-LINE DEALER A

<b>RB67 Pro S/SD Lenses</b> 37mm f/4.5 C Fisheye (40.5Ø) <b>MA1610</b>	
KL 65mm f/4.0 (77Ø) MA1623	
KL 75mm Shift f/4.5 (77Ø)  MA1626\$2749.00  KL 90mm f/3.5 (77Ø)  MA1628\$1449.00	)
KL 127mm f/3.5 (77Ø)  MA1631	
Soft Focus (77Ø) MA1640\$1459.00 KL 180mm f/4.5 (77Ø) MA1644\$1359.00	
KL 210mm f/4.5 APO (77Ø) MA1648\$2999.00 KL 250mm f/4.5 APO (77Ø) MA1652\$3449.00	
KL 350mm f/5.6 APO (77Ø) MA1654\$3849.0 360mm f/6.3C (77Ø) MA1660\$1759.0 500mm f/8 C (105Ø)	
MA1680	0

MA1684.....\$3399.00

RB67 Pro SD Accessories 120 Magazine RB/SD
MA2455\$499.00
220 Magazine RB/SD <b>MA2457\$499.00</b>
Polaroid Holder RB/SD <b>MA2453\$421.95</b>
120/220 Power Drive Magazine <b>MA2442</b> \$649.00
Bellows Lens Hood Model G2 – For use with all lenses except 100-200mm zoom.  MA2561\$192.95
Mirror-up Cable Release MA2940\$74.39
Multi-angle Grip MA2023\$337.95
Pistol Grip Model 2 MA2014\$147.95
KL Extension Tube #1 MA2877\$429.95
KL Extension Tube #2 MA2878\$470.95
RB/SD Viewfinders & Viewing Accessories
Prism Finder Model 2 MA2318\$766.95
PD Prism Finder <b>MA2310\$1089.00</b>
RB Focusing Screens
Type A Matte Screen <b>MA2351\$63.39</b>
Type A 6x8cm/Matte Screen <b>MA2357</b> \$73.79
Type 4A Checker (matte w/grid) MA2352\$67.49
Type B Rangefinder Spot MA2353\$67.49
Type C Microprism Screen <b>MA2354\$67.49</b>
Type D Cross-hair Screen MA2355\$67.49  Type E Rangefinder Spot

MA2351 .....\$63.39





#### Mamiya C330S

#### **TLR With Interchangeable Lenses!**

Offers the photographer a complete system of interchangeable lenses plus a full range of accessories.

a full range of accessorie	S.
Mamiya C330S	
Includes body with waist	level
finder and screen.	
MA0246	\$924.95
<b>C330S Lenses and Acces</b>	sories
55mm f4.5 (46Ø)	2013
MA1510	\$814.95
80mm f2.8 (46Ø)	
MA1530	\$504.95
135mm f4.5 (46Ø)	
MA1550	\$561.95
180mm f4.5 (49Ø)	
MA1560	\$713.95
Multiangle Grip Holder	
for C330S/RB	
MA2023	\$337.95
Paramender Model 2	
MA2850	.\$142.95

#### BRONICA

#### ETRSI 6 x 4.5 SYSTEM



Combines high image quality with easy handling. Features:

- Interchangeable film backs for 120, 220 and 35mm
- TTL direct metering with SCA System Metz flashes
- Multiple exposure lever
- Vibration-free mirror lock-up

Bodies require lens and finder.

ETRSi body w/Ei 120 film back **BA0102.....\$1169.00** 

ETRSi body w/Ei 220 film back

BA0103.....\$1169.00

ETRS/ETRSi Viewfinders

AE-II Finder E
Sports Finder E
Prism Finder E
Rotary Viewfinder E

BA0206 ....\$879.95
BA0205 ....\$419.95
BA0202 ....\$389.95
BA0204 ....\$519.95

Waist-Level Finder E BA0200 ....\$119.95 High Eyepoint Prism E BA0198 ....\$519.95

**Zenzanon-PE Lenses** 

 40mm f4 (62Ø)
 BA0299 ..\$1209.00

 50mm f2.8 (62Ø)
 BA0301 ..\$1189.00

 75mm f2.8 (62Ø)
 BA0303 ...\$689.00

 E 100mm f4 Macro (62Ø)
 BA0306 ..\$1139.00

 E 135mm f4 (62Ø)
 BA0318 ..\$1109.00

 E 150mm f3.5 (62Ø)
 BA0309 ..\$1089.00

 E 200mm f4.5 (62Ø)
 BA0311 ..\$1189.00

 E 250mm f5.6 (62Ø)
 BA0313 ..\$1289.00

**ETRS/ETRSi Film Backs** 

E 120 6 x 4.5

BA0403.....\$319.95

E 220 6 x 4.5

BA0404.....\$319.95

E 135-N (24 x 36mm)

BA0406.....\$449.95

E 135-W (24 x 54mm)

BA0408.....\$449.95

Polaroid Film Back E (6x4.5) **BA0411.....\$359.95** 

Tripod Adapter for Polaroid Film Back E

BA1272.....\$172.95

Film Inserts

6x4.5 Film insert for 120 BA1231.....\$229.95

6x4.5 Film insert for 220

BA1233.....\$229.95

**Lens Accessories** 

Auto Extension Tube E-14

BA1250.....\$400.95 Auto Extension Tube E-28

BA1252.....\$408.95

Auto Extension Tube E-42

BA1254.....\$418.95

Auto Bellows

BA1257......\$1599.00

E Rapid Focus Lever

BA1224.....\$31.39 Soft Effect Filter Set

BA1275.....\$119.95

Miscellaneous Accessories

Tripod Adapter for Polaroid Back

**BA1272......\$172.95**Motor Winder E

BA1223.....\$471.95

Winding Crank ETRS-C

BA1450.....\$24.49

Remote Cold Weather Pack for ETRS BA1271.....\$75.99

**Lens Hoods** 

40-50mm lenses

**BA1332.....\$39.29** 75mm E II lenses

**BA1334.....\$39.29** 105-250mm lenses

**BA1338......\$39.29**Pro Lens Hood for 40-250mm lenses

BA1320.....\$466.95

62mm Lens Adapter Ring for Pro Lens Hood BA1330.....\$39.39

**Focus Screens** 

EI Microprism/Split Image

BA1240......\$63.09 Matte w/grid

Matte w/grid

BA1238.....\$54.39
EI Matte Screen w/TTL window for ETRSi

BA1239......\$63.09

Speedari

Speedgrip for ETRS/ETRSi

BA1220.....\$271.95

CALUMET MIS A FULL-LINE DEALER

Prices are subject to change without notice.

#### SQ-Ai 6x6



SQ-Ai shown with optional lens and waist finder

Bronica's entry into 6x6cm format features:

- OTF metering via TTL dedicated flash control
- Multiple-exposure function shown in finder
- Electronically-timed shutter speeds from 1/500 to 16 sec.

Requires lens and finder.

SQ-Ai body with 6x6cm 120 film back.

BA0120.....\$1779.00

#### SQ-Ai/SQ-Am Viewfinders

AE Prism Finder S

Aperture-priority and manual.

BA0236.....\$979.95

ME Prism Finder S

TTL manual exposure controls.

BA0234.....\$819.95 Waist-Level Finder S

BA0230.....\$139.95

Prism Finder S

BA0232.....\$519.95

High Eyepoint Prism E (requires S Adapter)

BA0198.....\$549.95

High Eyepoint Prism S Adapter

BA0229.....\$123.95

Ai Motor Drive

1 FPS, appx. 1200 exp. from 6 AA alkaline or NiCad batteries. *Use with Ai body only*.

BA0125......\$707.95

SQ-Ai/SQ-Am Film Backs

Ai 120 6x6 Film Back Ai 220 6x6 Film Back

BA0431 ...\$449.95 BA0433 ...\$449.95

BA0434 ...\$449.95

SQ-J 120 6x4.5 SO 135-N (24 x 36mm)

BA0438.....\$449.95

SQ 135-W (24 x 54mm)

BA0440.....\$449.95

Polaroid Film Back S (6x6)

BA0442.....\$449.95

Tripod Adapter for Polaroid Back SQ

BA1272.....\$172.95

Zenzanon-PS Lenses Incorporating a Seiko #	0 shutter.
PS 40mm f4 (95Ø) PS 50mm f3.5 (77Ø) PS 65mm f4 (67Ø)	BA0280\$1449.00 BA0281\$1289.00 BA0282\$1189.00
PS 80mm f2.8 (67Ø) PS 110mm f4 (67Ø) PS 135mm f3.5 (67Ø) 150mm f4 (67Ø)	BA0283\$919.95 BA0284\$1289.00 BA0287\$1239.00 BA0285\$1289.00
1.4x PS Tele-Converter BA0380	경기 가장 아이를 하고 있다면 하는 것이 없는 것이 가장 전혀 모든 것이 없다면 되었다.
2x PS Tele-Converter BA0382	\$829.95
SQ Film Inserts 6x6 120 6x6 220 6x4.5 120	BA2000\$269.95 BA2002\$279.95 BA2003\$279.95
6x4.5 220 Auto Extension Tube S	BA2004\$279.95
BA2110Auto Extension Tube S BA2112	\$525.95
Auto Bellows S BA2114	\$1779.00
Remote Battery Pack S BA2120	
Soft Effect Filter Set BA2140	\$144.95
Rapid Focus Lever for BA2122	\$48.09
Winding Crank SQ/SQ BA2171	\$27.29
Remote Cold Weather BA1271	Pack \$75.99
S/PS Lens Hoods For 50mm PS lens only BA2135	<b>y</b>
For 65mm PS/80mm S	/PS lenses
<b>BA2132</b> For 105/110/150mm P <b>BA2134</b>	S lenses
For 200/250mm lenses <b>BA2136</b>	The second secon
Professional Lens Hoo BA2124	d
67mm Adapter Ring for BA2187	or Pro Lens Hood\$35.49
SQ-Ai/SQ-Am Focusin Grid/Matte Screen Split Image Screen	- 1 - 0 - 1 AHC 00
Microprism/Split Scree BA2010	en \$56.39
Speedgrip Speedgrip for SQ-A BA2120	
SCA 386 Adapter	poration with Motz

For dedicated mode operation with Metz flash units on Ai and ETRSi bodies.

BA0210.....\$235.95



The compact, lightweight, 6x7 SLR body features:

- Manual or fully automatic (AE) exposure capabilities
- Automatic flash control by direct light TTL metering off the film plane
- Interchangeable film backs and formats for 6x7, 6x6, 6x4.5, and Polaroid.

Requires lens and finder.

GS-1 body with 6x7cm 120 film back

BA0130.....\$1827.00

#### **GS-1 Viewfinders**

AE Prism Finder G Aperture-priority AE and manual operations with 7 segment LED display.

BA0264.....\$1028.00

Prism Finder G Eye level finder.

BA0262.....\$559.95

Waist-Level Finder G Collapsible.

BA0260.....\$149.95

AE Rotary Prism Finder

BA0265.....\$1079.00

#### GS-1 Zenzanon-PG Lenses

50mm f4.5 (95Ø)	BA0360\$1549.00
65mm f4 (72Ø)	BA0362\$1359.00
100mm f3.5 (72Ø)	BA0364\$1029.00
110mm f4 Macro (72Ø)	BA0365\$1549.00
150mm f4 (72Ø)	BA0366\$1389.00
200mm f4.5 (82Ø)	BA0368\$1449.00
250mm f5.6 (82Ø)	BA0370\$1549.00
Tele-Converter 2X	BA0372\$879.95
Tele-Converter 1.4X	BA0374\$859.95
GS-1 Film Backs	

GS-1 Film Backs		
GS-120 6x7	BA0460	\$449.95
GS-220 6x7	BA0462	\$449.95
GS-120 6x6	BA0464	\$449.95
GS-220 6x6	BA0466	\$449.95
GS-120 6x4.5	BA0468	\$449.95
GS-220 6x4.5	BA0470	\$449.95
Polaroid Film Back		
BA0477		\$469.95

GS-1 Film Inserts for F	ilm Backs
-1-17	BA3001\$269.95
6x7 120	BA3002\$269.95
6x7 220	BA3003\$269.95
6x6 120	
6x4.5 120	BA3005\$269.95
6x4.5 220	BA3006\$269.95
Auto Extension Tube	G-18 <b>\$539.95</b>
BA3021	\$539.95
Auto Extension Tube	
DA 2022	\$560.95
DA3022	ф500.75
Quick Focus Lever G	\$49.99
BA3050	\$49.99
Rubber Lens Hood for	r 65mm
BA3026	\$61.99
Rubber Lens Hood for	r 100mm
Rubber Lens Hood to	\$61.99
Rubber Lens Hood for	r 150mm
BA3028	\$61.99
Pro Hood	
BA1321	\$517.95
72mm Pro Hood Adap	\$36.59
82mm Pro Hood Aday	pter
BA1311	\$36.59
95mm Pro Hood Ada	pter
BA1312	\$36.59
Pro Hood Mask	•
Pro Hood Wask	\$49.99
	Ф <b>-7</b> .22
Winding Crank G	
BA3060	\$63.19
Electro-magnetic Cab	le Release
BA1270	le Release\$47.49
Focusing Screens for	GS-1
Matte 6x6/6x4.5 Form	not Coroon
Matte 0x0/0x4.3 FOII	\$85.99
Microprism/Split Ima	ige Screen
BA3013	\$85.99
Microprism 6x6/6x4.	5 Screen
BA3014	\$85.99
Microprism Screen	
DA 2016	\$85.99
	ф03.77
Split Image Screen	
BA3017	\$85.99
Grid Pattern Focus S	creen
BA3018	\$85.99
Speedgrip for GS-1	
D 4 2000	\$352.95
G-1 Speedlight	
Features TTL light co	ontrol with GS-1
camera, and a guide	number of 105. Flash
mounts to hot shoe of	f GS-1 Speedgrip.
BA3085	\$501.95



#### PENTAX

120mm f/3.5 SF (77Ø)

135mm f/4.0 (67Ø)

165mm f/2.8 (67Ø)

165mm f/4 Leaf (77Ø)

200mm f/4.0 (77Ø)

300mm f/4.0 (82Ø)

2X Converter

6 x 7 Accessories

6 x 7 Pentaprism

Eyecup

Folding Focusing Hood

TTL Pentaprism Finder

PX6778.....\$659.95

PX6713.....\$609.95

PX6716.....\$671.95

PX6717.....\$749.95

PX6720.....\$729.95

PX6730.....\$1149.00

PX6820.....\$623.95

PX6903 .....\$121.95

PX6966 .....\$464.95

PX6901 .....\$237.95

PX6912 .....\$10.79

Lens Hood for 90/105mm lenses

PX7403 .....\$64.79

#### Pentax 6 x 7 System

This 6 x 7cm SLR features an electronically-timed double-curtain shutter with speeds from 1 to 1/1000 sec.; rapid film advance; 120 (10 exp.) and 220 (20 exp.) film acceptance; instant reflex mirror return (with lock-up provision); flash sync at 1/30 sec.

6 x 7 Body

Comes with strap and battery (Requires finder and lens).

PX6700 .....\$1349.00

6 x 7 Lenses

45mm f/4.0 (82Ø) **PX6745.....\$812.95** 

55mm f/4.0 (77Ø)

PX6755.....\$837.95

75mm f/4.5 (82Ø)

PX6775.....\$630.95

75mm f/4.5 PC (82Ø) **PX6776.....\$1949.00** 

90mm f/2.8 (67Ø)

PX6790.....\$657.95

105mm f/2.4 (67Ø)

PX6710.....\$669.95

6×7	PE	SAHI	
		105	
	TAKUMARIAN	*16	ASA
•	5mm lens	4ns Hyan	Camera body s
Lens Hood for 5:	5mm lens	duz	with optional acces

Lens Hood for 55mm lens <b>PX7401</b> \$64.79
Lens Hood for 75mm lens <b>PX7402\$64.79</b> Lens Hood for 200mm lens <b>PX7405\$64.79</b>
Focus Ring "A" (for 105, 135, 150 and 200mm lenses) PX7205\$34.09
Focus Ring "B" (for 35, 55, 75 and 90mm lenses) <b>PX7206</b>

Prices are subject to change.

Auto Extension Tube Set
(set of 3 for inner bayonet mount)
PX6971\$238.95
Helicoid Extension Tube
PX6972\$167.95
Auto Bellows
PX6975\$1509.00
Hand Grip w/accessory shoe
PX7204\$112.95
Camera Neck Strap
PX7208\$31.39
Remote Battery Cord
PX7207\$45.59



#### Pentax 645 System

#### With Built-in Motor Drive!

This sophisticated, 6 x 4.5cm camera incorporates the latest conveniences available today in SLR technology. Along with its built-in motor drive, the body features seven auto-exposure modes: programmed AE, aperture-priority AE, shutter-priority AE, metered manual, TTL auto flash, programmed auto flash and leaf shutter lens modes. Body accepts 120 (15 exp.), 220 (30 exp.) and 70mm

(90 exp.) film inserts, and offers a shutter speed range from 15 to 1/1000 sec. with maximum flash sync of 1/500 sec. with leaf shutter lenses. Also features information display in the viewfinder; instant return mirror; multiple exposure capability and center-weighted TTL metering.

#### 645 Body

Comes with grip, strap and screen (Requires film insert and lens.)

PX8500 \$1749.00

645 Lenses 35mm f/3.5 (58Ø) PX8510\$742.95
45mm f/2.8 (67Ø) <b>PX8520\$671.95</b>
55mm f/2.8 (58Ø) <b>PX8530\$587.95</b>
75mm f/2.8 (58Ø) <b>PX8540\$419.95</b>
75mm f/2.8 Leaf shutter (58Ø) <b>PX8550\$662.95</b>
120mm f/4 Macro (67Ø) <b>PX8560\$712.95</b>
135mm f/4 Leaf shutter (67Ø) <b>PX8570\$825.95</b>
150mm f/3.5 (58Ø) <b>PX8580\$531.95</b>
200mm f/4 (58Ø) <b>PX8590\$630.95</b>
300mm f/4 EDIF (58Ø) PX8600\$2999.00
600mm f/5.6 EDIF (49Ø) PX8605\$5479.00
80-160mm f/4.5 (77Ø) <b>PX8610\$1279.00</b>
2X Converter <b>PX8620\$442.95</b>
645 Film Inserts 120 w/case PX8630\$181.95 220 w/case PX8635\$181.95

*******************************
645 Accessories Split-Image/Matte Screen PX8760\$57.99
Crosslined Matte Screen PX8765\$57.99
Split-Image/Microprism/ Matte Screen PX8770\$57.99
Auto Extension Tube-A No. 1 PX8675\$91.09
Auto Extension Tube-A No. 2 <b>PX8680\$107.95</b>
Auto Extension Tube-A No. 3 <b>PX8685\$144.95</b>
Auto Extension Tube-A Set (includes No. 1, 2, 3 and case)  PX8665\$373.95
Refconverter – 90° eyepiece for low-angle work PX8730\$291.95
Quick Shoe Set PX8820\$129,95
Remote Battery Pack PX8805\$83.49
Soft Camera Case <b>PX8900\$99.49</b>
645 Grip <b>PX8800\$227.95</b>
Eyecup <b>PX8775\$9.75</b> Large Eyecup <b>PX8780\$34.69</b>



#### Panorama GX617 Camera

The advanced GX617 offers a wide range of innovative panoramic possibilities that will enhance any subject from still lifes and interiors to landscapes and environmentals. Choose from three top quality Fujinon

lenses. Each lens comes with a built-in leaf shutter, providing x-synch at all shutter speeds and multi-exposure possibilities, plus a dedicated bright frame view-finder producing a clear, high magnification image. The GX 617 body produces a 56 x168mm

#### **GX617 Lenses**

	WD 90mm f/5.6 <b>\$2449.00</b>
EBC Fujinon S' FE1054	W 105mm 1/8 \$2349.00
EBC Fujinon W	
FE1055	\$2199.00

#### **GX617** Accessories

FE1057 Focusing	g Screen
GX-617	\$349.95
Center Filter for	90mm
FE1059	\$339.95
Center Filter for	105mm
FE1060	\$339.95

#### Fuii 21/4 Compacts

These lightweight medium format cameras combine quick handling conveniences with these great performance features:

- Super-sharp Fujinon optics
- Flash synch at all speeds
- Double-exposure prevention
- 120 and 220 film



#### **GW670III Professional**

#### **GW690III Professional**

This 6 x 9cm format camera features 90mm f/3.5 EBC lens and coupled rangefinder, 1–1/500th sec. shutter w/flash sync at all settings, and 2-stroke advance.

FE1061 (A) .....\$899.95

#### GSW690III Professional

Same as GW690III with wide angle 65mm f/5.6 SW lens. **FE1071......\$949.95** 

#### **GS645S Professional**







#### **GX680 Professional**

#### With Perspective Control!

This system's camera features the unique 6 x 8cm format and perspective control movements built into the body, including tilt, rise, shift and swing movements that can be used with all system lenses. A built-in motor drive, interchangeable holders and stopdown metering add to the GX680's versatility. Body comes with folding hood, standard bellows, and finder screen. Requires lens, holder, battery pack and charger, or DC power supply.

FE6800 ......CALL

#### **GX680 Lenses**

65mm f/5.6 GX Lens <b>FE6808\$1788.00</b>
80mm f5.6 GX Lens <b>FE6880\$1419.00</b>
100mm f/4 GX Lens <b>FE6810\$979.95</b>
125mm f/5.6 GX Lens <b>FE6812\$904.95</b>
135mm f/5.6 GX Lens FE6813\$889.95
150mm f/4.5 GX Lens <b>FE6815\$999.95</b>
180mm f/5.6 GX Lens <b>FE6818\$1049.00</b>
190mm f/8 GX Soft Focus Lens <b>FE6890\$1309.00</b>
300mm f/6.3 GX Lens

FE6830.....\$1519.00

#### GX680 Accessories

GX680 Accessories	
120 Roll Film Holder	
FE6900	\$569.95
Instant Film Holder	
FE6902	\$299.95
Film Cassette	
Film Cassette <b>FE6942</b>	\$102.95
Battery Pack	
FE6905	\$94.95
Battery Charger	
FE6906	\$307.95
DC Power Supply	
FE6907	\$409.95
Bellows Lens Shade	
FE6913	\$349.95
	,
AE Finder <b>FE6944</b>	\$1250 00
F EU777	φ1437.00

#### CAMBO WIDE



Expanded Modular 4x5 and 120cm Camera System!

#### The Cambo Wide System

#### ■ Wide "Body"

At the center of the system is an incredibly compact and portable 4x5 camera body which accepts all Wide system lenses, sheet film holders, roll film backs, and viewing accessories. A built-in hand grip makes transport easy, and hand-held exposures possible.

#### ■ Wide "Lenses"

Choose from six different focal length lenses, each with its own coverage characteristics, from the ultra-wide 47mm to the ultra-compact and economical 100mm. Each lens comes mounted to a special panel which provides lateral or vertical shift controls and helical focusing with meter and foot scales to facilitate focusing.

## ■ Wide "Film Formats" Technically a 4x5 format camera, the Wide is also highly regarded for its medium format, 120/220 roll film options, including 6x7, 6x9 and 6x12cm panoramic. The camera also accepts all Polaroid 4x5 film holders for convenient proofing.

## In addition to the noted conveniences of helical focusing, the basic Wide provides for precision ground glass viewing and focusing. When outfitted with optional Optical Viewfinder, the Wide offers quick, spontaneous composing possibilities. And finally, for extra viewing convenience, the accessory Reflex Viewing Hood inverts the ground glass image to right-side-up.

#### Cambo Wide Camera Packages

Complete Cambo Wide camera body with 4x5 ground glass back and integral cable release, plus lens and dedicated lens panel.

#### Cambo Wide-47mm f/5.6 Super Angulon Package Coverage up through 6x9cm

with ±12mm shifts. **CB0810K ......\$1899.00** 

#### Cambo Wide-58mm f/5.6 Super Angulon Package Coverage up through 4" x 5"

with ±7mm shifts. **CB0815K .....\$2189.00** 

#### Cambo Wide-65mm f/5.6 Super Angulon Package

Coverage up through 4" x 5" with ±15mm shifts.

CB0811K .....\$2149.00

#### Cambo Wide-75mm f/5.6 Super Angulon Package Coverage up through 4" x 5"

with ±15mm shifts.

CB0814K .....\$2399.00

#### Cambo Wide-90mm f/8.0 Super Angulon Package

Coverage up through 4" x 5" with ±7mm shifts.

CB0813K .....\$2099.00

#### Cambo Wide-100mm f/5.6 Apo Symmar Package

Coverage up through 6x9cm with ±5.5mm shifts.

CB0812K .....\$1699.00

#### Calumet C2N Slide-in Roll Film Holders

Fit any 4x5 camera and take 120 or 220 film. Includes mask.



C2N 6x7cm Roll F	ilm Holder
CB5500	\$349.95
C2N 6x9cm Roll F	ilm Holder
CB5510	\$349.95
C2N 6x12cm Roll	Film Holder
CB5512	\$729.95

For 4x5 sheet film holders and Polaroid 545 film holders, see pages 91 and 93.

#### Viewing Accessories Cambo Optical Viewfinder

Photography by Eric Young Sm

Masks for Optical Viewfinder Available in 6x7, 6x9, 6x12cm and 4x5. Formats for 65 and 90mm.

Specify Lens ......\$99.99

Cambo Reflex Viewing Hood Allows you to view the entire image right-side up.

Spirit Level Shoe Mount CB1020 .....\$44.95

CB0220 .....\$249.95



#### Cambo Wide Case

With custom-fit interior. 15½"(h) x 18¾"(w) x 15 8"(d) O.D. CB0807 ......\$239.95

#### NPC



#### **NPC ProBack II**

#### Instant Film Backs for 35mm!

These specially designed proofing backs provide on-the-spot evaluation of composition, exposure and lighting for most professional 35mm cameras

and lighting for most professional 35mm cameras.

NPC ProBack II's feature a free-floating fiber optic lens mounted inside of the film back. The lens transfers the point of focus from the 35mm camera body into the Polaroid film chamber with extraordinary film plane accuracy.

- Tripod adapter included
- Protective case
- Polaroid Pack film compatibility
- Lifetime warranty

For Canon EOS-1 NP1050	\$745.95
For Canon EOS-1 with Booster NP10505	\$789.95
For Leica R-4/R-5/R-6 NP1055	\$715.95
For Nikon F4 NP1025	\$713.95
For Nikon N90 NP1027	\$715.95
For Nikon N8008/N8008S NP1095	\$683.95
For Nikon F3 w/motor drive NP1005	\$713.95
For Nikon F3 NP1000	\$634.95
For Nikon FE/FM NP1020	\$634.95
For Minolta 7xi/9xi NP1100	\$779.95
NPC Instant Film Backs for Mediu	m Format
Backs listed below take Polaroid Pack	
Backs listed below take Polaroid Pack For Hasselblad NP2000	film.
Backs listed below take Polaroid Pack For Hasselblad NP2000 For Bronica ETRSi/ETRS NP2020	film. \$199.95
Backs listed below take Polaroid Pack For Hasselblad NP2000 For Bronica ETRSi/ETRS NP2020	film. \$199.95
Backs listed below take Polaroid Pack For Hasselblad NP2000 For Bronica ETRSi/ETRS NP2020 For Bronica SQ-A/SQ-AM NP2060 For Fuji 680 NP2070	s film. \$199,95 \$163.95 \$188.95
Backs listed below take Polaroid Pack For Hasselblad NP2000 For Bronica ETRSi/ETRS NP2020 For Bronica SQ-A/SQ-AM NP2060 For Fuji 680 NP2070 For Bronica GS-1 NP2050	\$ film. \$199.95 \$163.95 \$188.95 \$214.95
Backs listed below take Polaroid Pack For Hasselblad NP2000	\$199.95 \$163.95 \$188.95 \$214.95 \$209.95 \$195.95
Backs listed below take Polaroid Pack For Hasselblad NP2000	\$199.95 \$163.95 \$188.95 \$214.95 \$209.95 \$195.95
Backs listed below take Polaroid Pack For Hasselblad NP2000	\$199,95 \$199,95 \$163,95 \$188,95 \$214,95 \$209,95 \$193,95
Backs listed below take Polaroid Pack For Hasselblad NP2000 For Bronica ETRSi/ETRS NP2020 For Bronica SQ-A/SQ-AM NP2060 For Fuji 680 NP2070 For Bronica GS-1 NP2050 For Mamiya RB67 and RB67 SD NP2010 For Mamiya RZ67 NP2040 For Mamiya 6/6MF NP1205 For Pentax 645 NP1202	\$ film. \$199,95 \$163,95 \$188,95 \$214,95 \$209,95 \$195,95 \$193,95 \$\$1295,00
Backs listed below take Polaroid Pack For Hasselblad NP2000 For Bronica ETRSi/ETRS NP2020 For Bronica SQ-A/SQ-AM NP2060 For Fuji 680 NP2070 For Bronica GS-1 NP2050 For Mamiya RB67 and RB67 SD NP2010 For Mamiya RZ67 NP2040 For Mamiya 6/6MF NP1205 For Pentax 645	\$ film. \$199,95 \$163,95 \$188,95 \$214,95 \$209,95 \$195,95 \$193,95 \$\$1295,00







### The perfect picture taking machines

#### Autofocus Systems

F4S Body

Nikon's top-of-the-line, state-of-the-art, professional autofocus camera body! The F4S features a built-in high speed motor drive (5.7 fps) with auto-load and auto/manual rewind, yet it remains lightweight and comfortable to maneuver. Other features include matrix and centerweighted metering, shutter speeds from 30 to 1/8000 sec. and ultra-fast autofocus, with focus-tracking function and manual override. Includes 1-year Nikon warranty.

F4S Body

NT1007 ......CALL



#### Nikon N90

The N90 takes precision and dependability to new heights. It features faster and more accurate focusing of moving or off-center subjects, "3D" matrix metering which links exposure control and focus information to enhance exposure calculations. Also offers seven subject-oriented programs (for portraits, silhouettes, sports, etc.) or choose from aperture- or shutter-priority, or auto-multi program. Includes 1-Year Nikon warranty.

N90 Body

NT1014......CALL



#### N8008S Body

Features the latest Nikon technology, including matrix, centerweighted and spot metering for perfect exposure in any lighting situation. The 8008S' computer-assisted follow-focus senses your subject's movement and keeps focus tight. Film handling is automatic: loading, advancing (up to 3.3. fps), rewinding, and of course DX coding is all taken care of. Match with the optional Multi-control back for autobracketing and much more. Includes 1-Year Nikon warranty.

N8008S Body

NT1011.....\$659.95



#### N6006 Body

If you like to make great pictures, and don't mind a camera almost as smart as you, try the N6006. The N6006 features predictive autofocus, automatic bracketing (1/3, 2/3, or 1-stop increments), 2fps auto-drive, built-in flash, and rear-curtain sync for creative flash photography. Use shutter or aperture priority exposure with matrix, center-weighted or spot metering. Includes 1-year Nikon warranty.

N6006 Body

NT1050 .....\$429.95

N6006 Outfit

With 35-80mm f3.5 D lens.

NT1052 .....\$738.95



#### N50 Body

Whether you're looking for a backup camera to keep at your side at all times, or a gift for a budding young professional, the N50 fits the bill. Incorporating the latest technology, the N50 becomes one of the easiest to use SLRs ever. It features a built-in flash, 3-D matrix metering, fast autofocus, auto-balanced fillflash, "simple" and "advanced" modes, and full Nikon lens compatibility. Includes 1-Year Nikon warranty.

NT1020 .....\$399.95

N50 Outfit

With 35-80mm f3.5 D lens.

NT1021 .....\$499.95

#### **Manual Focus Systems**



#### F3HP Body

Dedicated to the demanding pro, this rugged camera features a full-view high eyepoint viewfinder and stepless shutter speeds from 1/2000 to 8 sec. Operates in manual or aperture-priority auto-exposure with manual override, shooting up to 6 frames per second with the optional MD-4 Motor Drive. Choose from six viewfinders, 22 focusing screens and 4 camera backs. Includes 1-year Nikon warranty.

F3HP Body



#### FM2 Body

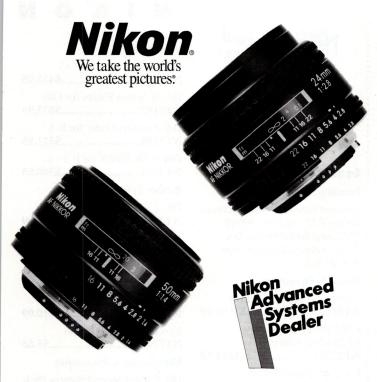
This dependable camera body features mechanical shutter speeds up to 1/4000 sec. and a flash sync speed of 1/250 sec. Also features multiple-exposure lever, interchangeable focusing screen, self-timer and full information viewfinder. Can be used in full manual without batteries if necessary. Includes 1-year Nikon warranty. Meter requires 2 MS76 batteries.

FM2 Black Body

NT1030.....\$521.95

FM2 Chrome Body

NT1000 ......\$510.95



Nikon's enduring F bayonet lens mount is what links over three decades of Nikon camera bodies and lenses together. Nikon's newest lenses will operate on the first F SLR bodies ever made, and Nikon's newest SLR bodies will accept all f mount lenses.

subdrational and with the trans
Autofocus Lenses
20mm f/2.8 AF (62Ø) NT2109\$569.95 HB–4 Hood NT3215\$21.79
24mm f/2.8 AF (52Ø) NT2111\$359.95 HN-1 Hood NT2312\$21.79
28mm f/2.8 AF (52Ø) NT2117\$219.95 HN–2 Hood NT2301\$21.79
35mm f/2.0 (52Ø AF) NT2113\$369.95 HN–3 Hood NT2314\$21.79
50mm f/1.8 AF (52Ø) NT2116\$89.99 HR-2 Hood NT2320\$15.59
50mm f/1.4 AF (52Ø) NT2115\$269.95 HR-2 Hood NT2320\$15.59
60mm f/2.8 D Micro AF (62Ø) <b>NT2028</b> \$429.95 HN–22 Hood <b>NT2321</b> \$24.99
85mm f/1.8 AF (62Ø)* NT2118\$369.95
105mm f/2.8 D Micro AF (52Ø) <b>NT2123\$679.95</b> HS–7 Hood <b>NT2318\$31.19</b>
135mm f/2.0 DC AF (72Ø)* NT2132\$1089.00
180mm f/2.8 ED-IF AF (72Ø)* <b>NT2100</b> \$809.95

300mm f/2.8D ED-IF AF-I (39Ø)*

NT2103.....CALL

600mm f/4.0D ED-IF AF-I (39Ø)* NT21046CALL
20-35mm f/2.8 D IF AF (77Ø) NT21195\$1799.00
The contract of the contract o
24-50mm f/3.5-4.5 AF (62Ø)
NT2120\$424.95 HB-3 Hood NT2372\$21.79
28-70mm f/3.5-4.5D AF (52Ø)
NT2121\$419.95 HB-6 Hood NT2376\$21.79
28-85mm f/3.5-4.5 AF (62Ø)
NT2122\$439.95 HB-1 Hood NT2370\$21.79
HB-1 Hood <b>NT2370\$21.79</b>
35-80mm f/4.5-5.6 D AF (52Ø)
NT2126\$109.95
35-70mm f/2.8D AF (620)
NT2125\$729.95
35-70mm f/2.8D AF (62Ø) NT2125
35-105mm f/3.5-4.5 AF (52Ø)
NT2127\$469.95
HB-5 Hood NT2375\$21.79
35-135mm f/3.5-4.5 AF (62Ø)
NT2128 \$479.95
NT2128\$479.95 HB-1 Hood NT2370\$21.79
70-210mm f/4.0-5.6 AF (62Ø) <b>NT2129\$344.95</b>
HN-24 Hood NT2317\$24.99
75-300mm f/4.5-5.6 (62Ø) <b>NT2131\$569.95</b>
NT2131\$569.95 HN-24 Hood NT2317\$24.99
80-200mm f/2.8D AF (77Ø)
NT2135\$1069.00
HB-7 Hood <b>NT2379\$27.89</b>
Prices are subject to change.

manual rocus Lenses
15mm f/3.5 (Bayonet)* <b>NT2008</b> \$1949.00
16mm f/2.8 Fisheye* NT2004\$839.95
18mm f/3.5 (72Ø)* <b>NT2010\$1139.00</b>
24mm f/2.0 (52Ø) <b>NT2014\$703.95</b> HK-2 Hood <b>NT2334\$31.19</b>
28mm f/2.0 (52Ø)
NT2016\$612.95 HN-1 Hood NT2312\$21.79
28mm f/3.5 PC (72Ø) NT2022\$1079.00
HN-9 Hood NT2302\$24.99
35mm f/1.4 (52Ø) <b>NT2018</b>
35mm f/2.8 PC (52Ø) NT2020\$ 714.95
HN-1 Hood NT2312\$21.79
50mm f/1.2 (52Ø) <b>NT2024</b> \$476.95 HS-12 Hood <b>NT2316</b> \$31.19
85mm f/1.4 (72Ø)*
<b>NT2030</b>
NT2032\$697.95

Manual Focus Lenses

200mm f/4 Micro (52Ø)* <b>NT2070\$833.95</b>
200mm f/2.0 ED (39Ø)* NT2038\$4519.00
400mm f/5.6 ED-IF (72Ø)* NT2050\$2229.00
400mm f/3.5 ED-IF (39Ø)* NT2048\$4659.00
400mm f/2.8 ED-IF (52Ø)* NT2046\$7339.00
500mm f/8.0 (39Ø)* NT2053\$760.95
500mm f/4.0 ED-IF (39Ø)* NT2052\$5039.00
600mm f/5.6 ED-IF (39Ø)* NT2056\$4929.00
600mm f/4.0 ED-IF (39Ø)* NT2054
800mm f/5.6 ED-IF (52Ø)* NT2058
35-200mm f/3.5-4.5 (62Ø) NT2060
HK-15 Hood NT2348\$44.09
TC-14B Tele-converter (1.4X over 300mm)
NT2090\$618.95
TC-201 Tele-converter (2X) <b>NT2093</b> \$294.95
TC-301 Tele-converter (2X) <b>NT2092\$618.95</b>
* Includes lens shade.

#### Nikon 35Ti Quartz Date

NT2035 .....\$362.95

135mm f/2.8 (52Ø)*





#### 105 VR QD



#### **Data Backs**

A compact alternative to Multi-Control Backs, Nikon Data Backs imprint time and date information.

#### Data Back MF-22

Imprint between or within picture frames. For F4
NT3225 .......\$194.95

#### Data Back MF-14

Imprint within frames. For F3 **NT3200 .....\$238.95** 

#### Data Back MF-18

Imprint between frames. For F3 **NT3202** .....\$397.95

#### Data Back MF-20

Imprint within frames. For N8008 NT3220 .....\$107.95

#### **Multi-Control Backs**

Nikon Multi-Control Backs allow you to shoot time-exposures up to 100 hours, automatically bracket exposures, shoot at set time intervals for time-lapse sequences, release shutter the moment subject enters in-focus position, imprint shutter speed, aperture, date, time, frame number, serial upcount number, fixed number, and exposure compensation value either in between or on the frames

#### Multi-Control Back MF-23

For F4

NT1100.....\$578.95

#### Multi-Control Back MF-26

For N90

NT1102.....CALL

#### Multi-Control Back MF-21

For the N8008

NT3222 .....\$255.95

#### **Datalink System for N90**





#### Motor Drives and Accessories

Quick Charger for MN-2 (F-3)
NT3012 ......\$212.95
MB-23 Multi-Power Battery Pack
Hi-speed Unit for F4S
NT3471 (C) .....\$423.95
MN-20 NiCad Battery
For MB-23

NT3474 (D).....\$165.95

#### MH-20 NiCad Quick Charge for MN-20

MB-20 Battery Pack
Compact Unit for F4S
NT3492 ......\$51.59
ML-3 Compact Modulite
Remote Control Set for N90
NT3408 .....\$198.95

NT3478 .....\$293.95

MR-3

Remote Socket Shutter Release NT3076 ......\$46.49

MC-12A

10' Remote Cord

NT3512 .....\$58.79

MC-20

Remote Motor Trigger Cord

with Timer for N90.

Requires battery.

NT3040 .....\$113.95

DB-2

Anti-cold Battery Pack for F-3, FM, FE, and FA

NT3614 ......\$76.39

DB-5

Anti-cold Battery Pack for 8008 NT2592 ......\$98.69

#### NIKON



#### **General Accessories**

#### **Focusing Screens**

Calumet carries focusing screens for the F4S, F3, N90, 8008S, FM2, and 5000/6000 series. Call for detailed information and pricing.

#### **Close-Up Equipment**

120mm f/4 Medical Nikkor NT9995 ......\$1599.00

LD-2 DC Power Supply for Medical Nikkor

NT2229 .....\$214.95 LA-2 AC Power Supply

for Medical Nikkor NT2230 .....\$326.95

PB-6 Bellows Focusing Unit **NT7900 ......\$385.95** 

PB-6E Ext. Bellows for PB-6 NT7906 ......\$249.95

PB-6D Bellows-to-rail Spacer for PB-6

NT7916 .....\$82.89

PS-6 Slide Copy Attachment for PB-6

**NT7902** ......\$226.95 AR-7 Double Cable Release,

NT3099 .....\$65.69

AR-10 Double Cable Release, MD Terminal

NT7918 .....\$95.99

BR-2A Lens Reverse Ring (52mm) NT3518 ......\$30.59

BR-3 Reversed Lens Filter Ring (52mm)

NT3519 ......\$31.69 BR-5 Lens Reverse Ring (62mm)

NT3524 .....\$30.69 PG-2 Fine Focusing Stage

NT3528 .....\$223.95

PK-12 Auto Ext. Tube AI (14mm) NT3525 ......\$76.39

PK-13 Auto Ext. Tube AI

(27.5mm) NT3521 .....\$79.89

#### **Viewfinders**

DA20 Action Finder for F4S <b>NT3152\$873.95</b>
DA-2 Action-finder for F-3 NT3106\$521.95
DW-4 6X Finder for F-3 NT3104\$340.95

NT3650 .....\$435.95

DW21 6X Finder for F4S

#### Rubber Eyepieces DK-2 F4S/F3HP

NT3118	.\$10.09
DK-4 F-3/F-2 NT3120	.\$10.09
DK-3 FM/FE/FA NT3194	.\$10.09
DK6 8008S/N90 NT7270	.\$10.09
Eyecup 5005/6000/6006	

NT7291 .....\$5.65

DB-6 N90 External Battery Pack

#### Miscellaneous Accessories

NT25926\$277.95
MC-29 External Power Cord Connects N-90 to DB-6
NT3048\$87.69
MC-28 External Power Cord Connects F4 with MB-23 to DB-6 NT3047\$103.95
AN-4B Black Neck Strap NT 3404\$20.19

AF-1 52mm Gel Holder NT9416 ......\$58.99 AR-3 Cable Release, ISO tip

AS-15 Hot Shoe to PC Adapter NT2591 ......\$18.09

52mm Soft Focus Filter #1
NT9849 .....\$77.79

52mm Soft Focus Filter #2 NT9850 .....\$77.79

62mm Soft Focus Filter #1 NT9869 .....\$112.95

62mm Soft Focus Filter #2 NT9870 ......\$112.95

52mm Circular Polarizer NT9890 .....\$92.59

62mm Circular Polarizer NT9892 .....\$130.95

Call for all 52, 62, 72, 77 filters.

Nikon Inc. Limited Warranty included with all Nikon Professional 35mm products purchased from Calumet.

## **Nikon**We take the world's greatest pictures.*





#### **Autofocus Speedlights**

Designed to supplement Nikon's AF cameras with their built-in autofocus illuminators, the SB-20-series Speedlights are truly intelligent accessories. They'll let you focus in total darkness and even adjust for distance-to-subject.

#### SB-25 Autofocus Speedlight

Designed for the N90's 5-segment flash detection system, the SB-25 features high speed and slow sync modes, repeating flash for strobe effects, red-eye reduction, 3D multi-sensor balanced fill-flash and offers zoom flash coverage from 24 to 85mm, GN 188 (feet) at ISO 100 at 35mm zoom setting, built-in bounce card, and rotating tilt/bounce head.

NT2601 (A).....CALL

## CALUMET MIS A FULL-LINE DEALER STEALER

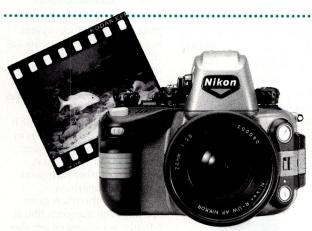
peedlight
sign.
\$459.95

#### SB-20 Autofocus Speedlight Adjustable coverage, bounce. NT2604 (B) ......\$261.95

#### TTL Speedlights

SB-14 Speedlight w/SD-7	
Power Pack. Auto TTL, GN 10	)5.
NT2500\$510	.95

SB-16A Speedlight	
TTL for Nikon F-3.	
NITO FOC	\$220.0



#### NIKONOS



#### autofocus precision below sea-level

#### **Nikonos-RS**

#### **Underwater SLR System**

Nikon's latest underwater wonder brings you all the conveniences of sea-level photography in an underwater unit rated to 320 feet. The RS is an autofocus SLR design, complete with Matrix Metering for auto exposure and auto film advance. Paired with the underwater Speedlight SB-104, you have Matrix or Centerweighted TTL flash. Includes 1-Year Nikon Warranty.

- Manual ISO or DX coding
- Auto or power-manual focus
- Autofocus tracking for moving subjects
- Illuminated LED frame counter
- Remote control operation
- Bright high-eyepoint action finder with comprehensive LCD readout
- Flash sync at 1/30 to 1/125 sec. Nikonos RS Autofocus Body NT2900 ......CALL

#### **RS Lenses and Accessories**

#### 28mm f/2.8 R-UW AF

Great general purpose. Focus from infinity to .85 ft for 1:6 reproduction.

NT2910 ......CALL

50mm f/2.8 R-UW AF

Autofocus, even in macro range. NT2920 ......CALL

20-35mm f/2.8 R-UW AF

World's first underwater zoom.
NT2930 ......CALL

SB-104 Speedlight Set

A brilliant partner for the Nikonos RS system. Matrixbalanced or Center-weighted TTL. Can also be used as a signal light. Uses rechargeable NiCad battery SN-104.

NT2940 .....CALL

SN-104 NiCad Battery Pack

For SB-104 Speedlight. **NT2943 .....\$140.95** 

SH-104 Charger

For SN-104 NiCad Battery Pack. NT2945 .....\$302.95

#### **Nikonos-V System**

Nikon's underwater rangefinder system captures the breathtaking beauty of the world underwater with ease and assurance.

- Aperture-priority and manual exposure modes
- Performance-proven centerweighted TTL metering
- Die-cast body, dual barrel lens system and ultra-effective O-rings good to 160 feet
- Complete line of dedicated lenses and flashes

Includes spare O-ring set, strap, battery and Nikon 1-year warranty.

Nikonos-V Orange Body NT2700 .....\$548.95

Nikonos-V Green Body

NT2705 .....\$548.95

Nikon Inc. Limited Warranty included with all Nikon Professional 35mm products purchased from Calumet.

#### **V** Lenses and Accessories

#### 35mm f/2.5 W-Nikkor

For general purpose under or above water shooting.

NT2805 .....\$168.95

#### 80mm f/4 W-Nikkor

Amphibious lens, perfect for close-ups with optional Nikonos Close-up Outfit.

NT2810 .....\$356.95

#### SB-102 TTL Speedlight Set

#### SB-103 TTL Speedlight Set

This compact unit for macro, closeup and normal lenses. *Requires 4-AA batteries*.

NT2860 .....\$566.95

35mm/80mm UW Frame Holder Defines underwater frame

Defines underwater frame coverage.

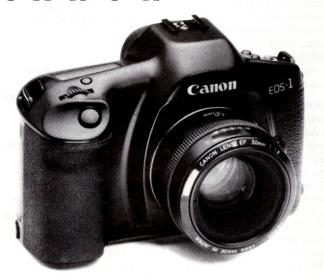
NT2855 .....\$22.39

#### **Nikonos Closeup Outfit**

Includes frames for 80mm, 35mm and 28mm lenses, mount braces and case.

NT2740 ......\$356.95

#### CANON



#### **Canon EOS-1**

#### Combines Total Auto-Operation with Sophisticated Manual Control!

Designed to provide total control over every imaginable photographic situation, the EOS-1 goes beyond automation to a totally integrated system that permits the fine-tuning of the key photographic aspects.

#### Four Auto-exposure Modes, Plus Manual

These highly reliable auto-modes take care of business, allowing you to concentrate on your subject and getting the shot you want. Choose from Shutter and aperture-priority AE, plus depth-of-field AE and intelligent program AE, both of which integrate lens focal length and focusing distance data for more informed auto-decisions for spontaneous flexibility. Manual Mode uses the camera's advanced technology to work faster and with more precision. Choose from shutter speeds in 1/3-step increments from 30 seconds to 1/8000th sec.

#### **Or...** Custom Function Control

Which lets you define certain aspects of the auto-operation for your individual photographic needs.

#### **Three Focusing Options**

Instantly responsive one-shot autofocusing, even in low-light situations; predictive AI servo AF which is perfect for moving subjects; and manual mode (that still gives you the green light!).

For additional convenience, the EOS-1 is the first camera to incorporate two electronic input dials: a main dial which allows the photographer to quickly dial in operational choices, such as exposure control, AF operation, metering pattern, and much more. The quick control dial on the back of the camera can be used to set aperture or shutter speed in manual exposure mode, with the main dial setting the other value. In the AE mode, it can be used to set exposure compensation values. The EOS-1 body uses EF lenses only and comes complete with battery and strap.

EOS-1 Body	CA4030	CALI
4-Year Extended Warranty		
For EOS-1	CA4251	\$39.95
For all EOS except EOS-1	CA4252	\$24.95

Calumet carries the full line of Canon Camera accessories, For information and pricing, call 1-800-CALUMET.



#### **EOS Accessories**

Power Drive Booster for EOS-1 Boosts EOS-1 motor drive and autofocus capabilities. Film advance up to 5.5 fps, and continuous shooting performance using focus prediction control increases from 2 fps to 4.5. Also features separate shutter and AE lock buttons for same superior operability whether shooting vertically or horizontally.

#### NiCad Pack for Power Drive Booster for EOS-1

CA4200 .....\$449.95

Command Back E1 for EOS-1 CA4120 ......\$195.95

Vertical Grip VG-10
For A2 and A2E
CA4195 ......\$112.95



#### **Dedicated TTL Convenience!**

These EOS-dedicated flashes enable TTL exposure control and are equipped with an auxilliary light source to suppliment the camera's autofocus function in total darkness.

Speedlight 430 EZ-Allows auto. fill flash, with TTL and manual override

override.	
CA4103	\$319.95
Speedlight 300 EZ CA4105	\$162.95
Macro Ring Lite ML-3 CA4560	\$292.95
Off-Camera Shoe Cord CA4245	\$52.59

Compact Battery Pack E for 430 EZ CA4108.....\$129.95



#### **EOS A2E**

#### With Eye-Controlled Focus!

This is the quickest and easiest professional autofocus system available, without compositional compromises or transitional adjustments. The A2E automatically focuses on what you are looking at, and continues to do so, until you look at something else, at which time it automatically shifts its focus to that point. Simply select your focus point by looking at it, regardless of where that point is in your composition!

The A2E also offers quiet operation and transports film at 5 frames per second on one shot (AF and manual). Its built-in autozoom flash reduces red-eye while its electronic control dials facilitate operation. Other features include 8 auto-exposure modes, 3 metering systems, 16 custom functions and metered manual exposure control.

The A2E also has 1/8000 sec. shutter speed, 1/200 sec. X-sync and accepts a host of new system accessories, including finders, film magazines and Polaroid holder.

EOS A2E Body
CA3985.....CALL

#### EOS A2

Same as A2E, without eye controlled focus.

CA3980.....CALL

All Canon products featured on this page include Canon USA 1-year limited warranty/ registration card.

#### CANON EOS LENSES

#### **EOS EF Autofocus Lenses**

Canon's reputation for excellence in optics has been well established for years. And with the introduction of EF lenses for the EOS, it's only getting better. EF Lenses have the largest diameter mount of any 35mm camera, which not only strengthens the whole system, but permits optical innovations never before possible.

L-Series lenses have better sharpness and contrast because Canon uses aspherical elements to eliminate spherical aberrations. In addition, the L-Series telephotos use UD (Ultra-low Dispersion) glass to reduce *chromatic* aberration. resulting in more accurate colors.

A built-in Ultrasonic focusing Motor (indicated by *USM*) provides pro-quality AF speed with split-second accuracy.

EF 14mm f/2.8L USM * CA4038\$2179.00
EF 15mm f/2.8 * CA4040\$742.95
EF 20mm f/2.8 USM (72Ø) CA4041\$522.95 Hood EW-75 CA4340\$37.49
EF 24mm f/2.8 (58Ø) CA4042\$374.95 Hood EW-60 CA4350\$18.69
EF 28mm f/2.8 (52Ø) CA4044\$218.95 Hood EW-65 CA4356\$18.69
EF 35mm f/2.0 (52Ø) CA4043\$316.95 Hood EW-65 CA4356\$18.69
EF 50mm f/1.0L USM (72Ø) * <b>CA4045\$2719.0</b> 0

EF 50mm f/1.4 USM (58Ø)

EF 50mm f/1.8 (52Ø)

CA4046.....\$409.95

CA4047 .....\$85.99

Hood ES-62 CA4361 .....\$18.69

CA4048 .....\$342.95

CA4051 .....\$2079.00

Hood ET-65II **CA4366** ....\$18.69 EF 100mm f/2.0 USM (58Ø) **CA4049** ......\$474.95

Hood ET-65II CA4366 ...\$18.49

EF 100mm f/2.8 Macro (52Ø) **

CA4053 .....\$637.95

EF 85mm f/1.2L USM (72Ø) *

EF 85mm f/1.8 USM (58Ø) CA40515 .....\$402.95

EF 50mm f/2.5 Macro (520) **

#### CALL FOR FREE PRODUCT INFO

EF 135mm f/2.8 Soft Focus (52Ø) <b>CA4052\$420.95</b> Hood ET-65II <b>CA4366\$18.69</b>
EF 200mm f/1.8L USM * CA4054\$4429.00
EF 200mm f/2.8L USM (72Ø) *
<b>CA4063</b>
CA4056\$4589.00
EF 300mm f/4.0L USM (77Ø) * <b>CA4064</b>
EF 400mm f/2.8L USM * <b>CA4057\$6859.00</b>
EF 400mm f/5.6L USM (77Ø) * <b>CA40575\$1499.00</b>
EF 500mm f/4.5L USM * <b>CA4059\$5659.00</b>
EF 600mm f/4.0L USM * CA4058\$9159.00
EF 20-35mm f/2.8L (72Ø) * <b>CA4061</b>
EF 20-35mm f/3.5-4.5 USM (77Ø) * CA40615\$499.95
EF 28-70mm f/2.8 L USM (77Ø)* <b>CA40645\$1399.00</b>
EF 28-80mm f/2.8-4 L USM (72Ø)* <b>CA4065</b> \$1269.00
EF 28-80mm f/3.5-5.6 USM (58Ø)
CA4067\$299.95 Hood EW-68A CA4358\$22.19
EF 35-80mm f/4-5.6 USM (52Ø) <b>CA4068\$167.95</b>
Hood EW-54 <b>CA4344\$18.69</b>
EF 28-105mm f/3.5-4.5 USM (58Ø)
CA40675\$367.95
Hood EW-63 <b>CA5220\$18.69</b>
EF 35-80mm f/4.0-5.6 <b>CA4069</b>
EF 35-105mm f/4.5-5.6
USM (58Ø) CA4071\$229.95 Hood EW-60B CA4357\$18.69
Hood EW-60B CA4357\$18.69
EF 35-105mm f/4.5-5.6 (58Ø)
CA4070\$189.95 Hood EW-68B CA4360\$22.19
EF 35-135mm f/4-5.6 USM (58Ø)

CA4073 .....\$356.95

Hood EW-62 CA4352.....\$18.69



EF 35-350mm f/3.5-5.6L USM (72Ø) * CA40735\$2049.00	
EF 70-210mm f/3.5-4.5 USM (58Ø) CA4077\$356.95 Hood ET-65II CA4366\$18.69	
EF 75-300mm f/4.0-5.6 USM (58Ø) CA4091\$273.95 Hood ET-60 CA4363\$18.69	
EF 80-200mm f2.8L (72Ø) * <b>CA4079\$1269.00</b>	
EF 80-200mm f/4.5-5.6 USM (52Ø) CA4084\$241.95 Hood ET-54 CA4368\$18.69	
EF 100-300mm f/4.5-5.6 USM (58Ø) CA4081\$356.95 Hood ET-65II CA4366\$18.69	
EF 100-300mm f/5.6L (58Ø) * CA4082\$642.95	
Extender EF 1.4x <b>CA4060\$448.95</b>	
Extender EF 2.0x <b>CA4062\$362.95</b>	

#### **EOS Tilt-Shift Lenses**

Tripod Adapter for TS-E Lenses CA4099 .....\$29.99



#### Canon F-1 System

This classic 35mm SLR features manual match-needle, stopped-down exposure control, plus interchangeable focusing screens, viewfinders and lenses. Includes 1-year U.S. Warranty

F-1 Body CA0100 .....\$1579.00 AE Motor Drive Set

Enables shutter-priority AE. Includes battery pack, magazine. CA2105 ......\$564.95

#### **AE Finder FN**

Enables aperture priority AE. CA2020 .....\$271.95

#### **FD Manual Focus Lenses**

w/Extension Tube FD25U CA1120 .......\$418.95 Hood BW-52A CA5201 \$24.39

FD 200mm f/2.8 (72Ø) CA1235 ......\$670.95

* Lens hood included

** Lens hood not recommended

All Canon products featured on this page include Canon USA 1—year limited warranty/registration card.

#### LEICA



#### Leica M6

This compact 35mm rangefinder camera offers many of the timetested features of its classic "M" predecessors, like quick handling and quiet operation, but the M6's TTL metering puts it in a class by itself. Reflected light is measured by a 12mm photo sensor in the center of the frame. When exposure is correct, two LEDs illuminate simultaneously.

Other M6 features include:

- Choice of split-image or double image focusing
- Mechanically controlled shutter, 1 to 1/1000 sec.
- Interchangeable M series lenses from 21mm to 135mm

M6 Chrome Body LC5005	\$2309.00
M6 Black Body	1118 P. 1118



All Leica cameras and lenses come with an exclusive No-Fault Passport Protection Plan 3-year warranty from Leica Camera Inc. For more information on these and other Leica Products, plus details on their Passport Protection Plan, call toll-free 1-800-CALUMET.

#### M-Series Lenses

#### MINOLTA



#### Maxxum 700si

#### Impressive Upgrade to 700xi

700xi users should love the new 700si, It has the same Expert Program plus a lot more—over 20 major improvements plus new contouring and rubberized parts for excellent grip.

In "P" mode, honeycomb metering locates, focuses on, and even *exposes* for you subject, even if it's off-center. In full auto, "fuzzy logic" circuitry sets exposure priority on the fly, so you can concentrate on the subject!



and Accessories

5400HS High Speed Maxxum Flash w/case MN7540 ......\$319.95

MN7540 ......\$319.95 5400xi Flash w/case MN7539 ......\$299.95

3500xi Flash w/case MN7538 .....\$159.95

MN7538 ......\$159.95 Off-camera Shoe OS-1100

MN7576 ......\$32.99 Off-camera Cable OC-1100 MN7570 .....\$32.99

Flash Shoe Adapter FS-1100 MN7575 ......\$24.99

Wireless Remote Flash Controller (for 700si & 9xi) MN7565......\$119.95

We carry an assortment of Minolta accessories that are not listed, including Maxxum Creative Expansion Cards.

#### Autofocus (AF) Lenses

20mm f/2.8 (72Ø)* MN7021CALL
24mm f/2.8 (55Ø)*
MN7024CALL
28mm f/2 (55Ø)* MN7028CALL
50mm f/2.8 Macro (55Ø) MN7351CALL
100mm f/2.8 Macro (55Ø)* MN7360CALL
35-80mm f/4-5.6 (46Ø) MN7436\$119.95
70-210mm f3.5-4.5 (55Ø)* MN7465\$249.95
80-200mm f/2.8 APO (72Ø)* MN7480CALL
100-300mm f/4.5-5.6 (55Ø)* MN7486CALL
*Includes Lenshade

#### Autofocus xi Zoom Lenses

MN7427	
35-200mm f/4.5-	5.6 xi (62Ø)
MN7439	CAL
28_80mm f/4 0_5	6 vi (550)

MN7425 ......\$179.95 80-200mm f/4.5-5.6 xi (55Ø)

Maxxum 9xi body MN7012......CALL

Maxxum 9xi

Faster than a Speeding Bullet?

longer "un-professional." Who

but a seasoned pro, or a rocket

as short as 1/12,000 sec? Who

but an M. Photog. Cr. could get

excited about a 1/300 sec. flash

sync for mixed-light portraits?

And who but an S.I. staffer, or

a hyper-active paparazzi could

still sharp-shoot at 4.5 fps?

appreciate predictive AF that can track fast-moving subjects and

scientist could use shutter speeds

The 9xi is proof that AF/AE is no

120



**Autofocus Lenses** 

For Nikon

For Nikon

with Hood

For Canon

For Nikon

with Hood For Canon

For Nikon

with Hood

For Nikon

For Canon

For Nikon

Designed specially to fit 35mm

SLRs with autofocus capabilities.

SP AF 28-70mm f/3.5-4.5 (520)

For Minolta TR2874 ..... \$139.95

Lens Hood TR2880 ......\$10.99

For Canon TR3520.....\$302.95 For Minolta TR3521.....\$302.95

For Minolta TR3545 ..... \$894.95

For Minolta TR3548......249.95

For Minolta TR3560 ..... \$329.95

For AF 30mm f/2.8 and AF fixed

For Minolta TR3602 ...... \$99.95

AF 70-300mm f/4-5.6 (520)

SP AF 90mm f/2.5 (52Ø)

**AF 1.4X Teleconverters** 

focal length lenses.

**AF 2X Teleconverters** 

AF 28-200mm f/3.8-5.6

SP AF 35-105mm f/2.8
Aspherical (670) with Hood
For Canon
For Minolta
TR3533.....\$779.95
For Nikon
TR3532....\$699.95
SP AF 70-210mm f/2.8 LD (770)

Aspherical (720) with Hood

TR2876.....\$139.95

TR3522....\$302.95

TR3543 .....\$949.95

TR3546....\$894.95

TR3547.....249.95

TR3549......249.95

TR3561....\$329.95

TR3600.....\$99.95

TR3604.....\$99.95

## New high performance autofocus lenses!

\$330 05



#### Fixed Focal Length Lenses SP 17mm f/3.5 (82Ø) with Hood

SP 17mm f/3.5 (82Ø) with Hood <b>TR1017</b> \$374.95
24mm f/2.5 (55Ø) TR1024\$237.95
SP 90mm f/2.5 Portrait/Macro (55Ø) with Hood <b>TR1091</b>
Extension Tube for 90mm f/2.5 (allows 1:1 reproduction) <b>TR1092</b>
SP 500mm f/8 Close-Focus/Mirror Lens (82Ø) with Case

1R1050\$339.95
Manual Focus Zoom Lenses
28-70mm f/3.5-4.5 (52Ø)
TR2870\$155.95 Lens Hood
TR2880\$10.99
28-200mm f/3.8-5.6 Aspherical (52Ø) with Hood
TR2820\$289.95
SP 35-105mm f/2.8 Aspherical
(67Ø) with Hood
TR3534\$559.95
35-135mm f/3.5-4.5 (58Ø)
TR3513\$239.95 Lens Hood
TR3514\$16.95
SP 60-300mm f/3.8-5.4 (62Ø)
with Hood
TR6030\$342.95
70-210mm f/3.5 (62Ø) with Hood
TR2872\$354.95
70-210mm f/4-5.6 (52Ø) w/ Hood
TR3544\$158.95
SP 2X Tele-Converter for Manual

#### **Adaptall Camera Mounts**

TR2000 .....\$128.95

Focus Lenses

All Tamron Manual Focus Lenses require camera mount.

TR3547\$27.39
um TR3548\$27.39
TR3549\$27.39
TR3549\$27.39

For information on the full line of Adaptall mounts, call 1-800-CALUMET.



#### Super Performance Auto Focus 300mm f/2.8 LD-IF Lens

This ultra-fast lens incorporates Low Dispersion (LD) glass in two of the ten elements for excellent optical performance through the full focusing range with an aperture fully open. With the built-in internal focusing (IF), you can auto-focus faster and the overall length of the lens remains constant for easy handling. Includes lens hood. Requires 43Ø rear filters sold separately. For Minolta TR3570...\$2549.00 For Nikon TR3571...\$2549.00



#### Auto Focus 24-70mm f/3.3-5.6 Aspherical Lens

This is the world's first 24-70mm AF zoom. Unlike conventional lenses, it features a hybrid aspherical element in the front group and another aspheric element in the rear group to elimanate optical aberrations and minimize flare at wide-angle settings. It also features an optical inner hood which eliminates stray

internal reflections. Together its aspheric elements and mechanical innovations provide the ultimate in high contrast and edge-to-edge sharpness throughout the entire zoom range. Includes lens hood. Requires 62Ø filter size.

For Canon For Minolta For Nikon TR2470 .....\$229.95 TR2472 .....\$229.95 TR2474 .....\$229.95

#### For Canon TR3610 .....\$139.95 For Minolta TR3612 .....\$139.95 TR3614 .....\$139.95

For Tamron autofocus lenses.

## 35mm sories



#### Tamrac Quick-Release Camera Straps

#### Easy on your neck and your camera!

These quality straps feature quick-release connectors for rapid strap removal and interchangeability. Leather scratch guards help protect your camera finish. *Straps available in black only*.

#### Hand Strap QR (N-15)

#### Absorber Strap QR (N-25)

Made of tough, stretchy neoprene rubber, this strap actually absorbs the weight of the camera for allday comfort.

TQ0125 (B).....\$13.39

#### Shoulder Strap QR (N-45)

For the ultimate comfort and protection. This foam padded, leather camera strap features a thick foam pad which absorbs and distributes weight, while its non-slip, suede leather exterior keeps the strap from sliding off the shoulder.

TQ0145 (C) .....\$13.95

#### Sheepskin Neck Strap QR (N-55)

Features genuine sheepskin lining which cushions your neck from the weight of your camera. It's warm in the winter and breathes in the summer.

TQ0155 (D) .....\$14.95

#### Boomerang Strap QR (N-27)

This strap's unique wide contoured neoprene construction cushions the neck from heavy cameras. Its "boomerang" shape distributes the weight over a wide area.

TQ0127 (E).....\$16.95



Avoid damaging your valuable photo equipment with the wrong tool for the job – get the indispensible Maxi Tool Set. This precision tool kit provides a full set of screwdrivers blades (.025", .040", .055", .070", .080" and .100"), two cross-recessed drivers: Nos. 0 and 1, five openend wrenches (5/64", 3/32", 7/64", 1/8" and 5/32"), three Allen wrenches: Nos. 4, 6 and 8, Five small socket wrenches (5/64", 3/32", 7/64", 1/8" and 5/32"), and a fine-tipped steel awl.

BR8880 (H) .....\$30.69

#### **Batteries**

Duracell Photo Batteries (F)
DL 1/3N B 3V Lithium DU1080\$3.50
DL-123A 3V Lithium <b>DU1123\$6.29</b>
PX32B 5.4V DU1132\$6.99
DL-245B (2CR5) DU1245\$11.95
PF497 510V Zinc <b>DU2010\$49.95</b>
DL-223A 6V Lithium DU2223\$11.95
PX-28L 6V Lithium <b>DU3030\$6.29</b>
Size J (7K67) 6V DU3067\$3.29
Size N Alkaline (1-pk) <b>DU3071\$1.40</b>
Size N Alkaline (2-pk) <b>DU3070\$2.80</b>
MS76 1.5V Silver <b>DU3076\$2.60</b>
PX625 1.35V Mercury <b>DU3625\$1.99</b>
PX675 1.35V Mercury
DU3675\$1.99
PX640 1.35V <b>DU6400\$2.39</b>
Duracell Alkaline Batteries (G)
AAA 1.5V (2-pack) <b>DU1015\$2.19</b>
AAA 1.5V (4-pack) <b>DU1016\$3.69</b>
AA 1.5V (4-pack) <b>DU1000</b> \$3.50
AA 1.5V (8-pack) <b>DU1008</b> \$6.59
C 1.5V (2-pack) <b>DU1010</b> \$3.19
D 1.5V (2-pack) <b>DU1020\$3.19</b>
Transistor 9V (1-pk) <b>DU1030\$3.19</b>
Transistor 9V (2-pk) <b>DU1035\$5.89</b>
Varta Batteries

CR2025 3V Lithium

VB2400 .....\$2.17





#### Beattie Intenscreens (J)

Increases viewing brightness 2 - 4 f-stops! Intenscreen's special image surface/fresnel lens reduces eye fatigue and ensures precise focusing by improving brightness, resolution and contrast.

#### For 35mm Cameras

Tol Collins Callionas
Nikon F/F2 Intenscreen Plus BT0245\$89.99
Nikon F3 Intenscreen Plus BT0250 \$89.99
Nikon F3 Plus w/Grid <b>BT0253\$89.99</b>
Nikon FE/FE2/FM2/FA Plus <b>BT0255\$60.99</b>
Nikon 8008S Plus w/grid <b>BT0256\$60.99</b>
Leica R4 Intenscreen Plus BT0260\$60.99
For Medium Format Cameras
Bronica SQ Intenscreen Plus
BT0280\$111.95
Bronica ETR/ETRS Intenscreen BT0285\$139.95
Hasselblad 500CM/ELM Plus
BT0203\$139.95
Hasselblad 500CM/ Plus w/Grid BT0304\$129.95
Hasselblad 500C Plus
BT0207\$124.95
Mamiya RB67 Intenscreen Plus BT0210\$124.95
Mamiya RZ67 Plus w/Grid <b>BT0212\$144.95</b>
Mamiya 645 Intenscreen Plus
BT0215\$124.95
Mamiya 645 Super Plus w/grid <b>BT0229</b> \$122.95
Mamiya C330/C330F Plus
BT0220\$102.95
Pentax 645 Plus

For information on Beattie screens not listed here, call 1-800-CALUMET.

BT0262 .....\$111.95



#### Cable Releases

Calumet 20" Pro Cable Release Flexible, cloth covered release with circular disk lock for time exposures.

HV2000 (K) .....\$16.99

#### Calumet 20" Deluxe Cable Release

Plastic covered, metal-clad release with circular disk lock. **HV1000 (L) .....\$11.19** 

#### Calumet 12" Standard Cable Release

Cloth-covered with thumbscrew lock.

BR5012 (M) .....\$5.49

#### Calumet 20" Standard Cable Release

Cloth-covered with thumbscrew lock.

BR5020 (N).....\$6.95

Stroboframe 22" Cable Release

Vinyl covered release without lock.

SO7016 (P) ......\$10.99

#### Calumet 20 ft Air Release

Activate your shutter from across the room with this bulb release. **BR5000** (Q) ......\$10.95

#### DeGroff Heavy Duty Air-Way Shutter Release

#### 6' Universal Air Release

With 6' hose, 8" flexible adapter and bulb. *Guaranteed for life!* **DG1600......\$67.09** 

#### 6' Medium Format Air Release

With 6' hose, 90° adapter and bulb. *Guaranteed for life!* DG1400 (S).....\$67.09

#### **Double Spirit Level**

Two levels in clear plastic rectangular case. Fits standard shoe, shows in two axis.

CB1020 (T) ......\$44.95

#### **Lens Cleaning**

**Calumet Lens Cleaning Kit** 

Contains 38ml. Lens Čleaner, 25 sheets of 3" x 5" Lens Cleaning Paper and a 6½" x 7" reusable Lens Cleaning Cloth. CQ1010.......\$2.95

Calumet Lens Cleaner

38ml. bottle.

CQ1000 (U) .....\$1.49

Calumet Lens Cleaning Paper 50 sheets of 4" x 6" high-quality

tissues.

**CQ1005......\$1.25** Kodak Lens Cleaner 1½ oz.

KK9772 (V).....\$4.29

Kodak Lens Cleaning Paper KK9770 (W).....\$1.45

#### **Model Releases**

#### **Blower Bulb**

The environmentally correct way to blow dust from negatives—air. KT0260 (Y).....\$4.95









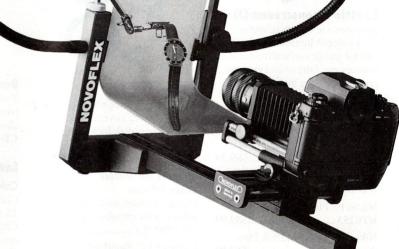




It's a Copy Stand... It's a Slide Copier... It's a Mini Table-top Sweep!







Macro-S Copy Stand shown with optional accessories.

#### PRECISION CLOSE-UP TOOLS

he Novoflex System could provide you with that critical "extra-hand" of assistance vou've been looking for. These quality close-up and macro accessories perform outstandingly, both as a system and on their own. All Novoflex products shown here are precision made for outstanding performance, whether you're copying slides for an AV show, shooting jewelry in the studio or stalking lilies in the valley.

#### **Macro-S Copy Stand**

#### Three-Tools-In-One!

This rugged little stand has a 16½" column and movable camera carriage mounted to a 8½" x 9" U-shaped base that is parallel to the film plane of your camera. An adjustable matte black, metal panel fits into the guides of the base to support flat originals for copying, or three-dimensional objects up to 6½" Can be set up for vertical or horizontal copy work and weighs under 4½ lbs.

NF1000 .....\$249.95

#### **Macro-S Accessories**

#### Swan Neck Arm with Removable Flash Shoe Flexible 15" arm holds flash or

reflector in position.

NF1070 (A).....\$29.95

#### Macroflash with Slave

Rated GN20 and equipped with slave, swivel head, sync cord and diffusers. Requires 2 AA batteries. NF1110 (B) .....\$66.95

#### Slide Copying Holder

Dupe 35mm slides, enlarge to 6x6cm or 6x6cm reduced to 35mm. Includes mounted slide holder for both formats.

NF1040 (C).....\$99.95

#### 3-Clip Object Holder

Mounts to stand column or base, or optional Swan Neck Arm. NF1060 (D).....\$34.95

**Plexiglass Reflector** 

Curved, translucent panel with adjustable angle. Can be back-lit

or used as rear projection screen. NF1050 (E) .....\$99.95



#### Repro-Plate for Macro-S Stand Gridded surface with magnetic strips. Measures 11½" x 6¼". NF1044 (F) .....\$95.99

16½" Extension Column for Plate Extends Macro-S Stand to 33" NF1042 (G).....\$69.29

#### Mini Fiber-Optic Lighting System!



#### **Macrolight Plus**

This gem of a lighting system is ideal for shooting jewelry or other small products, parts or specimens. The Macrolight is both fast and precise, providing plenty of flexible light from a built-in 150 watt modeling lamp or any protable or studio flash system. Features include:

- Precise light positioning from three 21" flexible fiber light guides.
- Built-in portable flash bracket adjusts to accept all popular shoe and handle mount portable flash units
- Works with any camera NF1080 .....\$799.95

#### Macrolight Accessories

#### **Focusing Lens Set**

Set of three focusing lenses which mount to light guides and six colored filters for each (#8 yellow, #25 and #29 red, #47 blue, #58 green and #80A blue.) NF1082 .....\$149.95

For a complete selection of dropin filters for the Macrolight Plus, call 1-800-CALUMET.

For illustration purposes, Novoflex products featured on these pages may be shown with cameras and optional accessories.

Next time you're in a close shave, bring Novoflex in for the save!



#### **Macro Bellows System**

**Novoflex Automatic Bellows** 

Open aperture metering and direct auto-aperture coupling without a double cable release! With fixed camera mount and lens coupling.

Nikon AI/AF NF2000 ..\$399.95 NF2050 ..\$349.95 Canon AF NF2053 ..\$345.95 Canon NF2080 ..\$399.95 Leica-R Olympus NF2100 ..\$399.95 NF2200 ..\$399.95 Minolta AF NF2300 ..\$399.95 Contax

60mm f/4 Noflexar Lens

Ideal slide copying and macro lens. Focuses from 3.15" to 5.9". Repro-ratios from 0.6X to 2X. Specify Camera.....\$279.95



105mm f/4 Noflexar Lens

For macro and telephoto. Focuses from 8.85" to infinity, with magnification ratios to 0.75X. Specify Camera.....\$279.95

**Novoflex Universal Bellows** 

Adapts for 35mm SLRs! Dual stage focus and swings. Accepts lenses w/39mm Leica-thread. Requires camera adapter mount. NF2084 .....\$249.95

60mm f/4 Noflexar

With 39mm threaded mount. NF2086 .....\$149.95

105mm f/4 Noflexar

With 39mm threaded mount. NF2088 .....\$249.95

#### **Focusing Racks**

Mini Focusing Rack

For 35mm SLRs fitted with 50mm or 100mm macros! Provides over 5" of

focusing with top or bottom stage.

NF1205 .....

**Precision Focusing Rack** 

Offers critical positioning on any stand or tripod to maintain reproduction ratios. For any macro lens, bellows or copy stand.

NF1200 .....\$139.95

**Professional Focusing Rack** Offers incredible rigidity and over 12" of movement. This dualstage rack is

precision close-ups.

calibrated for

NF1210 .....\$191.95



**Slide Copying Attachment** 

Mounts directly to all Novoflex Focusing Racks for duping 35mm or 6x6cm transparencies.

NF1046 .....\$76.79

#### Clamp, Bracket and **Support Systems**

Perfect for holding portable flashes, reflectors and props in position. Excellent accessories for table-top or outdoor location photography.

#### **Ball Head**

Supports cameras up to medium format. A single lock releases ball for quick composing. Only 31/2" high and weighs 13 oz. Includes 1/4-20 and 3/8" mounts.

NF3300 (H).....\$53.29

#### **Universal Clamp**

Attach to car window or any makeshift camera support. Holds up to medium format cameras. Clamp opens to just under 21/2" NF3067 (I) .....\$85.29

**Forked Socket Head** The perfect V-shaped support for telephoto lenses or video cameras. Attach to Universal Clamp any tripod head.

NF3304 .....\$63.99



#### Macro Flash Bracket

Mounts one or two flashes to lens for hand-held and copy work. Requires Mounting Ring.

NF1100 .....\$89.95

Call 1-800-CALUMET for a full selection of mounting rings.



#### **Multi-Bracket System**

Like having a third or fourth hand when shooting close-ups. Attach the bracket to your camera and use the four pairs of rods to hold a flash, reflector, special masks, props, or product. Compatible with Rod Support System. NF1103 .....\$160.95



**Rod Support** Starter Kit Two 11½" rods and

one each 5¾" rod, clamp, plant clip, ball & socket head, rod coupler, rightangle rod clamp, flash shoe, ground spike and protective end cap.

NF3400 (J).....\$82.09

Accessory Package #1

Two 11½" rods, one 5¾" rod, ground spike and rod coupler. NF3404 (K).....\$51.19

Accessory Package #2

Three right-angle rod clamps and two ball & socket heads with flash shoes.

NF3408 (L) .....\$51.19

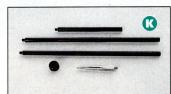
Accessory Package #3

Three plant clips and two clamps. NF3412 (M) .....\$51.19









Prices and specifications are subject to change without notice.





#### Polaroid 35mm Instant Photography System

Presents timely information in a very timely manner. You can have quality, full color or black & white continuous tone or high contrast slides in less than 5 minutes with this system. Process the film yourself to get immediate results.

Auto Processor PO1010\$	109.95
Power Processor PO2010\$	279.95
Illuminated Slide Mounter PO2020	\$39.95
Slide Mounter PO1020	\$24.95
Slide Mounts (pkg. of 100)	1

PO1030 .....\$5.49

#### Polaroid 35mm Instant Film

For processing in the Polaroid 35mm Instant Slide System.

Polachrome CS 40 35mm
(12 exp.) <b>PS1110\$11.29</b>
Polachrome CS 40 35mm (36 exp.) PS1115\$16.49
Polapan CT 125 35mm (36 exp.) <b>PS1100\$16.49</b>
Polagraph HC 400 35mm (12 exp.) <b>PS1105\$11.29</b>
Pola Blue BN Film 35mm

PS1120 .....\$13.09

#### Polaroid 600 SE

DEALER -

POLAROID

600 SE

For the professional photographer who wants professional results. The 600 SE combines the versatility of manual exposure settings and interchangeable lenses to produce high quality instant photographs without a darkroom. Each lens is equipped with a Seiko shutter, with ten speeds, ranging from 1 second to 1/500 second and "B". The shutter is X-synchronized for electronic flash at any setting. The 600 SE comes complete with film holder back which takes Polaroid's 600 and 100 Series film, and produces a 31/4" x 4¼" image. Lens is not included

with camera	•
PO4100 (A)	\$379.95

Lenses for 000 3E	
75mm Wide Angle	
PO4120	\$569.95
127mm Standard	

PO4140 .....\$349.95

#### 7mm Standard 150mm Telephoto PO4130 .....\$429.95

# **Polaroid ProCam**

Whether you're a shooter, location scouter, prop shopper, claims adjuster or architectural renderer, this high quality instant print camera was built to tackle the business at hand. Features 4element wide angle lens for sharp shots, auto-exposure and auto-focus for ultimate convenience, manual override, date-coding, and built-in extended range flash (up to 18', or 12' with attachment lens) and bright viewfinder. Uses Spectra film. Includes hand & neck strap, 1/4-20 tripod mount and Lifetime Warranty. PO3080 (B) .....\$189.95

#### **Polaroid Spectra SE**

Features auto-focus and autoexposure, 125mm lens, built-in timer and remote control access. 5-year camera warranty and picture "satisfaction guarantee" included

PO3060	\$119.95
Spectra Film and	
Film for Spectra S	
PS1000	
Spectra Close-up	Stand
PO3062	

#### VITAR

 $(12 \exp)$ 



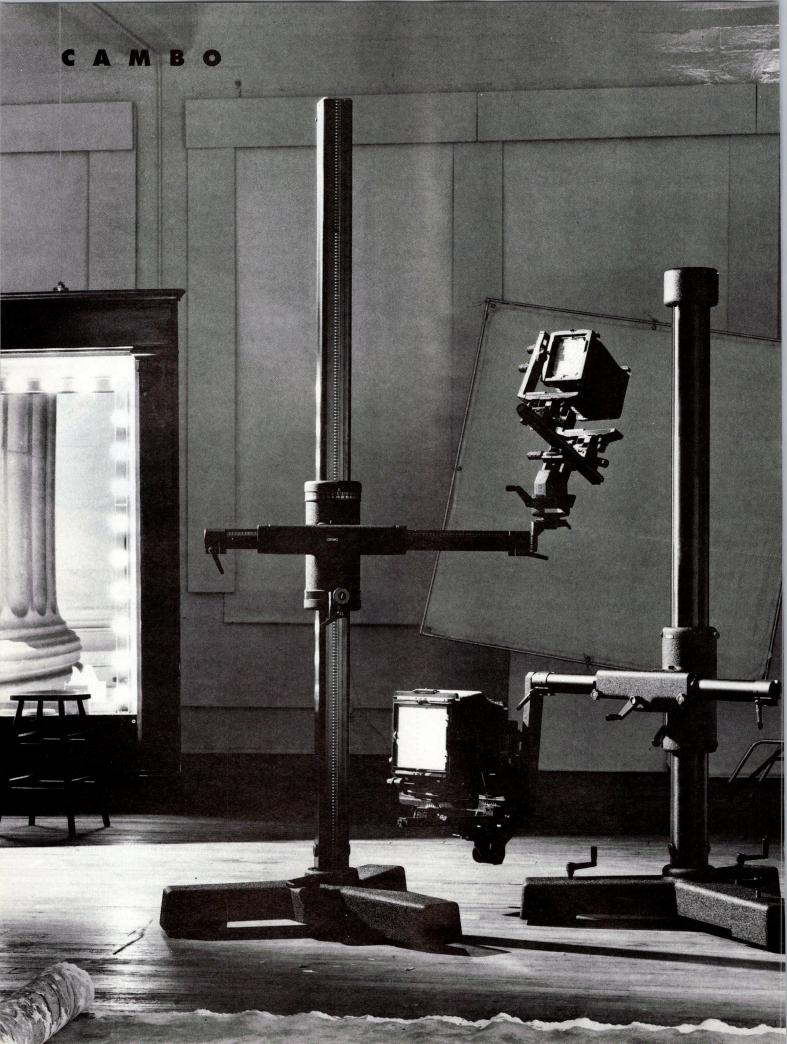
Perfect for making Polaroid "Image Transfers" from Any Slide!

#### **Instant Slide Printer**

Make 31/4" x 41/4" prints from slides quickly and easily with this convenient tabletop unit. Simply select any 35mm mounted slide, place it on the built-in illuminated preview screen and crop to desired image area. Press one button and the built-in electronic flash will make the automaticallyset exposure. The user has the

option to manually adjust exposure in increments of halfstops, from -1 to  $+1\frac{1}{2}$ . Other features include built-in film back, which accepts Polaroid 600 Series pack films, and timer which signals when development is complete.

The Vivitar Instant Slide Printer weighs only 2 lbs. 7 oz. Requires 4 - C batteries. PO3100.....\$109.95



#### OSTANDS

#### TIMATE CAMERA UPPORT

ambo's large format studio stands have set the standards by which other stands have been measured for years. They have performed flawlessly in professional studios around the world and have earned their reputation as the best value available in large format camera support systems. The UST, "a Cambo classic," and the new UBS, with "fluidsmooth" movements, have prompted these comments:

- "Literally saves us hours of time every day!"
- "Dollar for dollar, Cambo was the best buy. I couldn't justify spending twice as much."
- "With the flip of a lever, I can have my 8 x 10 nine feet high. And when it's locked, it won't budge! For the work I do, this stand is a necessity!"
- "Our stand hasn't had a single repair or adjustment in over 31/2 years, and we use it every day. The best investment we've ever made!"

#### **UBS Studio Stand**

#### "With Finger-tip Controls!"

Cambo's new top-of-the-line, heavy-duty studio stand offers these unique features:

- Rotating Collar
- This new (patent-pending) movement allows the camera and horizontal arm to be rotated from any height on the rigid, 4" square column, without shifting the vertical movement.
- **Ball Bearing Movements** Lateral crossarm, rotating collar and height control movements each glide effortlessly on ball bearings at the touch of your fingertip.
- **Fully Scaled Movements** Precise positioning and realignment is assured to the millimeter on the column, lateral crossarm and rotating collar.
- **Choice of Two Caster Bases** Choose from Cambo's Single Action Base, with its quick release foot pedal, or the economical 3-Way Locking Caster Base.
- **Full Accessory System** Including camera supports, arm extensions and heads.
- Available in 7', 9' and 12' Choose the height to match your specific needs.

Heavy-duty, three way locking base available for special applications for UBS & UST Stands.

#### Cambo UBS Studio Stands with Single-Action Base

Includes column, crossarm, and specified base. Mounting platforms and heads are not included.

- 7' Stand (Shipping wt: 250 lbs.) CB2245 .....\$3895.00
- 9' Stand (Shipping wt: 260 lbs.) CB2246 .....\$3995.00
- 12' Stand (Shipping wt: 280 lbs.) CB2247 .....\$4195.00

#### Cambo UBS Studio Stands with 3-Way Locking Base

- 7' Stand (Shipping wt: 250 lbs.) CB2240 .....\$3395.00
- 9' Stand (Shipping wt: 260 lbs.) CB22411 .....\$3495.00
- 12' Stand (Shipping wt: 280 lbs.)
- CB22421 .....\$3695.00

1 Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck, Freight Collect.

Cambo's UBS and UST Stands are shown side-by-side on the facing page. A 9' UBS Stand, on the left, is outfitted with a 3-D Gearhead, mounted to a Rotating Camera Platform (U29). To the right, a 7' UST Stand is sporting a Low Angle Adapter Arm (U45) and a Rotating Camera Platform (U29).

#### **UST-Deluxe Studio Stand**

#### Worth its Weight in Gold!

The UST is by far the best value available in a heavy-duty studio stand. Consider these features:

- 4½" diameter aluminum column for solid support
- Height adjustments are counterbalanced for quick and effortless repositioning
- A built-in guide provides precise vertical camera movement
- Gear-driven lateral crossarm travels 1½ in each direction
- Exceptional base-support and easy maneuverability
- Smooth, independent pancontrol with optional 360° Rotary Base adapter
- Versatile and convenient camera mounts are available to suit all formats up to 8 x 10

#### **UST-Deluxe Stands** w/3-Way Locking Base

Include column, crossarm and base. Mounting platforms and heads are not included. 7' Stand (Shipping wt: 250 lbs.) CB2350 ① .....\$2295.00 9' Stand (Shipping wt: 260 lbs.) CB2352 ① .....\$2395.00 12' Stand (Shipping wt: 280 lbs.) CB2354 ① .....\$2595.00

Single-action base available for UST stands, add \$300.



#### **UBS & UST Accessories**

#### Rotating Camera Platform (U29)

This right angle platform features a rotating plate (with 3/8" thread) which makes mounting easy and convenient pan control.

CB2529 (C).....\$179.95

Right Angle Platform (U9)

With 3/8" threaded fitting. CB2509 (D).....\$159.95



#### Low Angle Adapter Arm (U45)

Ideal for ground level, low-angle shots. This rigid 24" arm accepts U9 or U29 platforms. (Shown mounted to UST Stand on right of facing page holding 8 x 10)

CB2645 .....\$389.95

#### **Extension Tube (U6)**

Adds 151/2" to crossarm. Mounts directly into arm and accepts any camera platform.

CB2606 .....\$279.95

## **Gear-Driven**

**Extension Tube (U11)** Adds up to 10½" to heights, or can be used horizontally.

CB2611 (E) .....\$599.95

#### **Balance Weights**

Place any or all of these four weights (3 lbs. each for a total of 12 lbs.) in special wells of the U50 Accessory Tray when using a light camera to balance the carriage. CB2432 .....\$59.99



#### Accessory Tray (U50)

Single platform tray mounts at center of crossarm to provide easy access.

CB2430 (F) .....\$189.95

#### STABILITY MOBILIT

or decades Cambo has known that a studio stand is the secret behind a truly efficient studio environment. That's why Cambo has perfected its studio stand system with the addition of the MBS studio stand. The MBS was designed specifically for medium format and 4x5 cameras, and has made thousands of studio stand converts with these advantages:

#### Faster Operation

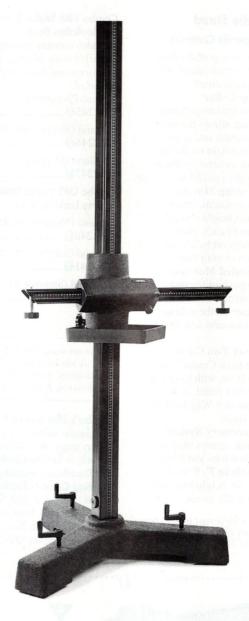
Camera can be elevated from ground level to 9' in a matter of seconds by releasing a lever. Cambo's counter-balanced heightcontrol is smooth as silk and extremely safe!

#### **Superior Support**

A monolithic metal column securely mounted to a caster base leaves little doubt that your camera will stay put at any height.

#### **Better Mobility**

Whether you're moving your set-up to the other side of the studio on its gliding casters, or just a hair to the right with its ball-bearing glide, the MBS gets you there smoothly and easily.



#### **MBS Studio Stand**

#### Top of the Class in Mid-Size Studio Stands!

Designed specially for medium format and 4x5 view cameras, Cambo's top-of-the-line Mid-Size Studio Stand moves with the same fluid grace as the classic Cambo UBS Stand. The MBS Studio Stand's crossarm features camera platforms at each end and has a 20 inch vertical reach to either side.

- Counter-weighted crossarm assembly floats effortlessly up and down the column, and glides side-to-side with ball bearing movement
- Calibration marks ensure precise positioning and realignment —down to the millimeter—on the rounded square column and lateral crossarm
- Swivel-caster base offers smooth movement and broad support
- Optional 360° Rotary Base offers convenient panning for a complete, and quick change of shooting directions.

The MBS Stand comes complete with column, base, crossarm and two 3/8" mounts.

MBS 7' Studio Stand

CB1950 ① ......\$1999.00

MBS 9' Studio Stand CB1952 ① .....\$2099.00

For a complete selection of Cambo Ball Heads see page 137.

TO ORDER





#### **MBS Accessory Tray**

The perfect way to keep all of your supplies within reach. This Single platform tray mounts at center of crossarm to provide easy access. CB2426.....\$102.95



#### **MBS Rotary Base Adapter**

360° rotary adapter mounts between the column and the base, and locks and unlocks easily.

CB2452.....\$259.95

#### Cambo 3-D Gearhead

Cambo's precision geared movement has important advantages over standard friction locking ballheads and other 3-D schemes. Minute adjustments are precise and controllable. And because movement is geared, it is self-locking. The Cambo 3-D Gearhead provides 140° of self-locking tilt, 90° forward and 50° back. 180° manual side to side tilt movement features adjustable resistance. Mounts to universal 3/8" threaded tripods.

CB2725 .....\$349.95

#### **Monopro Studio Stand**

#### The Support You Need at an Economical Price!

Available in 7, 9 and 10 foot height configurations (7' shippable via UPS!), is made of the same materials as stands bearing twice the price.

- Counter-balanced sliding collar provides unrestricted movement up and down and 360° around the column
- Three swivel casters on cast-iron base provide effortless glide and easily lock into place with a turn of a crank.
- The 2" diameter crossarm supports most 4x5 view cameras and comes with a heavy-duty camera mount which can be positioned anywhere along the 26" arm.

The Monpro comes complete with column, base, crossarm and camera mount with 3/8" thread.

Monopro 7' Studio Stand CC2007	\$749.95
Monopro 9' Studio Stand CC2009 1	\$799.95
Monopro 10' Studio Stand CC2010 1	\$849.95
For a complete selection of	
Ball Heads see page 137.	

1 Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck, Freight Collect.



### VERSATILITY

he Monopro Stand is the first studio stand to bear the Calumet name. It is designed specifically for product and portrait shooters (who'd rather spend time creating photographs than adjusting tripod legs!)

The sturdy Monopro is an economical solution for providing versatile camera support in virtually any shooting situation. It's solid enough to handle up to 4x5 cameras. It's light enough to maneuver around your studio. Plus, it's tough enough to take day-in and day-out use.

So, if you're tired of tripods and ready to step up to one of the best investments you'll ever make in camera support, step up to Calumet's Monopro Studio Stand.







#### **Monopro Accessory Tray**

Mount this single platform tray to your Monopro's column so you can have your Polaroid backs, lupes or film magazines ready for action. The length of the tray is 11". CC2020 .....\$89.99



#### **Monopro Camera Mounts**

These single locking mounts allow you to firmly affix cameras or ball heads directly to the Monopro crossarm

1/4"-20 Camera Mount (E10) CB2500.....\$39.99

3/4"-20 Camera Mount (E20) CB2505.....\$39.99

#### **Cambo Ball Heads**

#### CBH-4 Heavy-Duty Ball Head

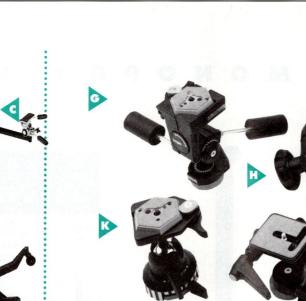
Designed specifically for large and medium format cameras, this smooth-action ball head can be swivelled a full 360° and tilted in a full range of directions by as much as 90°.

The CBH-4 Ball Head mounts to any studio stand or tripod with a 3/8" thread, and includes 3/8" and 1/4-20 camera mounts.

CB2740 (A) .....\$249.95

#### Cambo CBH-3 Ball Head

For medium format cameras. Features 1/4-20 thread, 90° movement forward and backward. Mounts to 3/8" thread. CB2710 .....\$119.95



#### Arkay Mono-Stand Senior II

Mono-Stand Senior II shown with optional Arm Accessory Tray.

Features swift height adjustment of all cameras from 35mm to 4x5 with a counter-balanced, 22" side arm. With its adaptable ½-20 and ¾" threads, additional camera control can be obtained by using a wide range of optional ball or geared tripod heads. Base features easyrolling 4" ball bearing casters, with toe-touch, non-roll locks.

6' Mono-Stand Senior II Shipping weight: 140 lbs. AK1006 (1) (A) ........\$789.95

Arm Accessory Tray
For Mono-Stand Senior II.
AK1001......\$54.99

Base Shelf Platform
For Mono-Stand Senior II.
AK1050 ......\$99.99

#### Arkay Mono-Stand Jr.

This 6' lightweight stand offers effortless movement around the studio and quick height adjustment. For up to medium format cameras.

Mono-Stand Junior
Includes counter-weight.
AK2008......\$599.95

Mono-Stand Junior Counter-weight not included. AK2006 (C) .......\$469.95

#### CUSTOMIZE YOUR SYSTEM

alumet stocks a variety of Bogen tripods and tripod heads . . . each sold separately to meet your demands. Use this chart to determine which tripod and head you need. Then call 1-800-CALUMET to place your "custom-tripod" order.

#### **Bogen Dollies**

3156 Folding Auto Dolly

3127 Portable Dolly

Separate pedals raise wheels off the ground. For all Bogen Tripods. Weighs 5½ lbs. Folds to 22½".

BG3045.....\$86.49

#### **Extra Mounting Plates**

For Bogen 3038, 3047, 3055, 3039 Tripod Heads and 3296 Quick-Release 3041 ½-20 thread, flush screw

3049 ¼-20 thread, thumb screw **BG3999** .....\$13.95

3048 ¾ thread, thumb screw **BG3998.....\$13.95** 

For Bogen 3057 Heads 3297 4x4 plate, ½-20, ½ thread BG3100 ......\$34.95

For Bogen 3030 Heads 3157 ¼-20 thread BG3964.....\$7.95

For Bogen 3263 Heads  $3264L \ 1/20$ ,  $\frac{1}{2}$  thread, 13mm high

#### Accessories

19" Extension Leg Set for 3046 and 3051 tripods **BG4060.....\$26.59** 

3059 Side Arm for lateral camera movement or copy work. Mounts to centerpost.

**BG4016** .......\$40.79 3044 Tripod Carry Strap **BG4075** ......\$19.79

3281 45" Tripod Bag for 3035, 3040, 3050 tripods **BG4302.....\$55.19** 

3280 35" Tripod Bag for 3021 BG4301 .....\$42.09

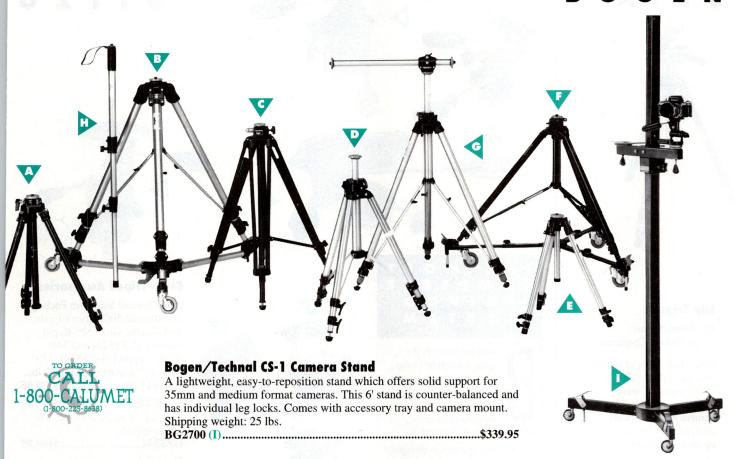
3115 Ball Head Leveler **BG3035**......\$48.49

3256 Spike Feet Adapter **BG3974** .....\$10.49

	Platform Size	Height	Weight	Recommended Format	Item Number	Price
Bogen Tripod Heads						
3025 3-D (D)	2"x 2 ½"	4"	1.1 lbs.	35mm	BG1305	\$18.99
3028 Super 3D (E)	2 ¾"x 3 ¼"	4"	1.3 lbs.	35mm/2 ¼	BG1315	\$31.09
3029 Pan/Tilt (F)	2 1/4" x 2 1/4"	5 ¼"	2.2 lbs.	up to light 4 x 5	BG1320	\$36.19
3030 Pan/Tilt w/quick rel.	1 ½"x 2"	5 1/4"	2.1 lbs.	35mm/2 ¼	BG1323	\$42.59
3047 Deluxe 3-Way (G)	2 ¾" Hex	7 1/4"	4.2 lbs.	4x5	BG1330	\$57.99
3039 Super Pro	2 ¾" Hex	6 1/2"	4.2 lbs.	4x5 to 8x10 Field	BG1325	\$120.95
3057 Heavy Duty (H)	4"x 4"	5 1/2"	4.4 lbs.	4x5 to 8x10 Field	BG1340	\$115.95
3263 Deluxe Geared (I)	2 ¾" Diam.	6"	5.75 lbs.	4x5 to 8x10 Field	BG1306	\$409.95

Bogen Ball Heads						
3009 Mini Ball (J)	1 ½" Diam.	3"	4 oz.	35mm	BG1300	\$20.95
3262 Medium Ball	1 ½" Diam.	4 1/6"	1.75 lbs.	35mm/2 1/4	BG1303	\$28.99
3055 Heavy Duty Ball (K)	2 ¾" Hex	5 1/2"	1.9 lbs.	35mm/2 ¼	BG1335	\$39.09
3038 Super Ball	2 ¾" Hex	6 3/4"	4.6 lbs.	4x5	BG1227	\$155.95

#### BOGEN



	Extended Height	Folded Length	Number of Leg Sections	Center Post Travel	Weight	Recommended Format	Recommended Dollies	Recommended Heads	Item Number	Price
Bogen Tripods with	adjustable l	eg spread a	nd reversible cen	ter post		A CONTRACTOR		and to come of the first		Transport
3001 (Chrome) (E)	55"	21"	3	8 3/4"	3 % lbs.	35mm/2 1/4	3127	3025-3047	BG1200	\$58.99
3205 (Black)	55"	21"	3	8 3/4"	3 % lbs.	35mm/21/4	3127	3025-3047	BG1255	\$64.39
3011 (Chrome) *	67"	24"	3	14 1/2"	5 ¼ lbs.	35mm/21/4	3127	3025-3047	BG1210	\$71.19
3211 (Black) *	67"	24"	3	14 ½"	5 ¼lbs.	35mm/21/4	3127	3025-3047	BG1260	\$76.99
3021 (Chrome)	70 ½"	25 3/4"	3	16 1/2"	5 ¾ lbs.	35mm/21/4	3127	3025-3047	BG1215	\$93.29
3221 (Black) (A)	70 ½"	25 3/4"	3	16 1/2"	5 ¾ lbs.	35mm/21/4	3127	3025-3047	BG1265	\$99.99
* Does not have adjustable leg s Bogen Tripods with		and geared	column							econders.
3033 (Chrome) (D)	66 1/2"	28"	3	12"	7 ¾ lbs.	35mm/21/4	3156/3254	3029-3047	BG1220	\$139.95
3233 (Black)	66 1/2"	28"	3	12"	7 3/4 lbs.	35mm/21/4	3156/3254	3029-3047	BG1268	\$144.95
3036 (Chrome)	81 ¼"	33"	3	9 1/4"	9 % lbs.	Up to light 4 x 5	3156/3254	3029-3047	BG1225	\$157.95
3236 (Black) (F)	81 1/4"	33"	3	9 1/4"	9 % lbs.	Up to light 4 x 5	3156/3254	3029-3047	BG1270	\$166.95
3046 (Chrome)	68 1/2"	31 ¼"	2	19 3/4"	8 1/6 lbs.	Up to light 4 x 5	3156/3254	3047-3057	BG1230	\$134.95
3246 (Black) (C)	68 1/2"	31 ¼"	2	19 3/4"	8 1/8 lbs.	Up to light 4 x 5	3156/3254	3047-3057	BG1275	\$146.95
3051 (Chrome) (G)	63 ¼"	37 ¼"	3	91/4"	12 % lbs.	Up to 4 x 5	3156/3254	3047-3057	BG1235	\$184.95
3251 (Black)	63 ¼"	37 ¼"	3	91/4"	12 % lbs.	Up to 4 x 5	3156/3254	3047-3057	BG1277	\$192.95
3058 (Chrome) (B)	106"	41"	3	10"	17 15% lbs.	Up to 8 x 10	3156/3254	3047-3057	BG1240	\$269.95
3258 (Black)	106"	41"	3	10"	17 15/6 lbs.	Up to 8 x 10	3156/3254	3057	BG1280	\$299.95
Bogen Monopod an	d Table Top 1	ripod								
3016 (Chrome) (H)	59"	23"	3	n/a	1 lb.	35mm/21/4	n/a	3009-3025	BG3120	\$30.69
3216 (Black)	59"	23"	3	n/a	1 lb.	35mm/21/4	n/a	3009-3025	BG4086	\$31.69
3018 (Chrome)	65"	27"	3	n/a	1% lbs.	35mm/2 1/4	n/a	3009-3025	BG3110	\$36.69
3218 (Black)	65"	27"	3	n/a	1% lbs.	35mm/2 ¼	n/a	3009-3025	BG4088	\$39.95
3007 Table Top Tripod	2 1/4"	5 1/2	n/a	n/a	¼ lb.	35mm	n/a	3009	BG1205	\$10.19

#### SLIK



#### **Slik Tripods**

#### For Medium and Large Format Cameras!

Slik's latest line of tripods, fittingly called "The Professionals," were engineered to provide solid camera support for all professional-format cameras, up to and including 4x5.

Consider these pro-features:

- Extra-large camera platform, with non-slip cork pad, comes with % and ¼-20 mounts and will support up to 22 lbs.
- Ultra-smooth 3-way panhead with 2-way levels
- Worm gear drive column is precise and secure
- Rugged tubular, 3-section legs are grooved for quick and easy extension and indexed (on second section) for precise control
- Professional black matte anodized finish.

#### "The Professional"

Extends from 23½" to 78¾", folds to 35½" and weighs 13½ lbs.

SK1000.....\$319.95

#### "The Professional SP"

Extends from 23½ to 63½", folds to 29¾" and weighs 13½ lbs.

SK1200.....\$299.95

#### "The Professional 4"

Extends from 23% to 99%", folds to 36%" and weighs 15% lbs.

SK1400.....\$379.95



#### THE MOST COMPLETE TRIPOD SYSTEM

ecause Gitzo is the most complete tripod and accessory system available today, it has become a product line synonymous with professional photography.

All Gitzo equipment is designed and engineered to the most demanding European precision standards, with stress-proof, hard-tempered light metals. Strong tubular legs are anodized to resist rust and corrosion, and slide in and out with smooth efficiency. Water and temperature-proof locking sleeves and soft cushioned locking rings provide rapid, foolproof handling.



#### Gitzo Tripod Accessories

Small/Medium Format Side Arm 534 Side Arm for 200 and 300 Series tripods.

GZ5534.....\$109.95

#### **Short Columns**

Get your camera in extra low positions with this 5" column. 100 Series ½" Diameter

**GZ4550** .....\$29.95 200 Series 1" Diameter

**GZ4552** \$29.95 300 Series 1¼" Diameter **GZ4554** \$29.95

400/500 Series 1¾" Diameter **GZ4556** .....\$39.95

	Platform Size	Height	Weight	Recommended Format	ltem Number	Price
Gitzo Pan/Tilt Heads					20.50	5) (8) (3
G1270 Rational Series 2	2 3/4" x 4 3/4"	3 %"	1 1/2 lbs.	35mm/2 1/4	GZ2275	\$109.95
G272 Rational Series 2 (A).	3 %" x 2 %"	5 1/2"	2 lbs.	35mm/2 1/4	GZ2272	\$139.95
G1372 Rational Series 3 (C)	2 %" x 2 %"	5 3/8"	2 ¾ lbs.	35mm up to 4 x 5	GZ3370	\$159.95
G472 Rational Series 4 (B)	3 3/4" x 3"	7 1/2"	3 ¾ lbs.	4 x 5/5 x 7	GZ2472	\$179.95
G570 Rational Series 5 (D)	6 3/4" x 4"	3 1/2"	3 ½ lbs.	4 x 5/8 x 10	GZ2570	\$189.95

#### Gitzo Ball Heads

G175 Ball 1 (G)	2" diameter	2 3/4"	7 oz.	35mm/2 1/4	GZ3175	\$72.95
G275 Ball 2 (E)	3" x 2 ¾"	3 3/4"	1 lb.	35mm to 4 x 5 field	GZ3275	\$99.95
G1276 Ball 2	2" x 1 1/2"	4 1/4"	2 lbs.	35mm to 4 x 5 field	GZ3280	\$149.95
G375 Ball 3 (F)	3" x 2 ¾"	41/4"	1 ¼ lbs.	up to light 4 x 5	GZ3375	\$149.95
G376 Ball 3M	3" x 2 ¾"	4 1/4"	1 ¼ lbs.	up to light 4 x 5	GZ3376	\$169.95
G475 Ball Head	4" x 3"	6"	2 lbs.	4 x 5/8 x 10	GZ3475	\$179.95

Lifetime warranty against manufacturing defects and workmanship.

#### GITZO



	Extended Height	Folded Length	Leg Sections	Outside Leg Diameter	Weight	Recommended Format	Recommended Heads	ltem Number	Price
Tripod Leg Set									pycasia a
G126 Total Luxe Performance (D)	521/6"	15"	4	7/8"	3 lbs.	35mm	172/175/272	GZ1126	\$199.95
G226 Reporter Performance (E)	63"	17¾"	4	1"	4 ½ lbs.	35mm/2 1/4	275/272	GZ1226	\$239.95
G220 Reporter Performance	58¼"	211/4"	3	1%"	4 ¼ lbs.	35mm/2 1/4	272/375	GZ1220	\$229.95
G312 Studex Cremaillere Performance	75"	27"	3	1¼"	7 lbs.	35mm to Lt. 4 x 5	372/375	GZ1312	\$379.95
G320 Studex Performance (F)	73"	27"	3	1¼"	6 ½ lbs.	35mm to Lt. 4 x 5	372/375	GZ1320	\$289.95
G341 Inter Pro Studex/Rapid	75"	29"	3	1¼"	7 lbs.	up to 4 x 5	372/375	GZ1341	\$359.95
G411 Pro Studex Giant/Rapid (B)	78"	31%"	3	1%"	9 lbs.	up to 4 x 5	372/472	GZ1400	\$399.95
G412 Pro Studex Giant/Cremaillere	75%"	311/2"	3	1%"	11 lbs.	up to 4 x 5	372/472	GZ1405	\$599.95
G506 Tele Studex Compact/Rapid	72"	25½"	4	15%"	10 ¼ lbs.	4 x 5/8 x 10	472/570	GZ1508	\$469.95
G507 Tele Studex Compact/Cremaillere (A)	701/2"	25 1/2"	4	15%"	12 lbs.	4 x 5/8 x 10	472/570	GZ1512	\$659.95
G508 Tele Studex Giant Luxe/Rapid	116"	33 1/4"	5	15%"	13 ¼ lbs.	4 x 5/8 x 10	472/570	GZ1516	\$599.95
G509 Tele Studex Giant Luxe/Cremaillere (C)	113"	33%"	5	15%"	15 ¼ lbs.	4 x 5/8 x 10	472/570	GZ1517	\$789.95
Gitzo Monopods								te di Si ya	5
G563 Mono Reporter (G)	62"	19"	4	1"	1 ½ lbs.	35mm/21/4	175/275	GZ1563	\$89.95
G564 Mono Studex	62"	19"	4	11/4"	1 ¾ lbs.	35mm/21/4	175/275	GZ1564	\$99.95
G565 Mono Studex Super (with chest support)	62"	19"	4	11/4"	2 lbs.	35mm/21/4	175/275	GZ1566	\$149.95



**Majestic Tripods** 

The International Series Tripods continue the Majestic tradition of quality. Majestic hand-assembles their gear using steel, aluminum tubing and alloy castings. All fasteners are user-serviceable with standard hand tools. The International Series uses a standard 3/8" head mounting thread, and accommodates all professional formats.

All International Series tripods feature either Quicklift for rapid center column elevation-1%" rise per crank, or Powerlift for extremely smooth and precise lifting of cameras up to 50 lbs. See chart below.

**Tripod Accessories** 

#### 8040-A Side Arm

Consists of an 18" lateral arm tube that mounts to the centerpost. A head clamp, with %" thread, can be positioned anywhere along the arm, or directly to centerpost.

MJ8041 (A) .....\$64.95

#### 8030-A Outrigger

Features double off-center support for better balance, with vertical and lateral positioning. Vertical tube is 32", arm is 28".

MJ8031.....\$139.95

#### 8500-4 Tripod Dolly

Features 4" wheels and twin locking posts.

MJ8500.....\$179.95

Zone VI Tripods (D)

Made of clear mountain ash, these beautiful tripods are not only exceptionally strong and durable, but they are also extremely easy to work withindoors and outdoors.

Oversized knobs offer quick setup, spike feet hold firmly where placed and legs can be spread flat for extremely low camera angles. Both models come with a 3/4" mounting screw which will accept a wide range of tripod heads.

See chart below.



Cullman Magic 2 Tripod (E)

One of the most compact tripods for 35mm and video you could ask for. Collapses to 13.75" x 6" x 1.5" and stands 57" high fully extended (w/head). Can convert to a monopod or two-legged tripod. Comes complete with ball-andsocket head with quick-change adapter.

See chart below.

BD1000 .....\$139.95

	Extended Height	Folded Length	Leg Design	Center Post Travel	Weight	Recommended Format	Item No.	Price
Majestic Tripods								of rain 1900
2501	75"	33"	2 section	Quicklift	10 lbs.	up to 4x5	MJ2501	\$299.95
2501-XL	95"	33"	2 section	Quicklift	11 lbs.	up to 4x5	MJ2502	\$327.95
4401 (C)	80"	37"	2 section bi-post	Quicklift	18 lbs.	up to 8x10	MJ4401	\$476.95
4401-XL	97"	37"	2 section bi-post	Quicklift	17 ½ lbs.	up to 8x10	MJ4402	\$519.95
4801 (B)	80"	37"	2 section bi-post	Powerlift	18 lbs.	up to 8x10	MJ4801	\$500.95
4801-XL	97"	37"	2 section bi-post	Powerlift	17 ½ lbs.	up to 8x10	MJ4802	\$519.95
Zone VI Tripods						*		
Lightweight	59"	32"	2 section		9 lbs.	up to 5x7	ZN5000	\$299.00
Standard	72"	44"	2 section		16 lbs.	up to 8x10	ZN5100	\$329.00
Cullmann Tripod		2						
Magic 2	57"	13¾"	3 section	Quicklift	2½ lbs.	35mm	BD1000	\$139.95

Monoballs &



#### Cambo 3-D Gearhead

The ultimate head for your tripod. Cambo's precision geared movement has important advantages over standard friction locking ballheads and other 3-D schemes. Minute adjustments are precise and controllable. And because movement is geared, it is selflocking. The Cambo 3-D Gearhead provides 140° of self-locking tilt, 90° forward and 50° back. 180° manual side to side tilt movement features adjustable resistance. Panning plate with 3/8" mounting nut allows full 360° camera rotation. Mounts to universal 3/8" thread tripods. Constructed of black textured die-cast steel with precision-machined moving parts, this gearhead is incredibly well-made. Supports cameras up to 55 lbs. CB2725 .....\$349.95

#### Majestic 1000-E **Tripod Head**

This precision geared head comes complete with a 3x3%' camera mounting platform which can be

interchanged with accessory platforms of other sizes for different camera needs. Its 3/8" threaded base fits most professional tripods and studio stands. Features geared movement of 90° forward and 30° backward, with manual side tilts of 20° left and right. Comes complete with 1/4-20 and 3/8" camera threads.

MJ1001 .....\$229.95



#### Cambo Ball Heads

#### **CBH-4 Heavy-Duty Ball Head**

Designed specifically for large and medium format cameras, this smooth-action ball head can be swivelled a full 360° and tilted in a full range of directions by as much as 90°.

A unique, built-in "clutch" allows you to adjust the amount of friction on the ball, independently of the locking knob, to accommodate different weight loads as you change formats, switch lenses, etc. With the clutch adjusted properly, you can unlock the ball and make adjustments without the risk of accident. A rotating base plate provides 360° panning control, with calibrated accuracy. The CBH-4 Ball Head mounts to any studio stand or tripod with a 3/8" thread, and includes 3/8" and 1/4-20 camera mounts.

CB2740 (A) .....\$249.95

#### Cambo CBH-3 Ball Head

For medium format cameras. Features 1/4-20 thread, 90° movement forward and backward. Mounts to 3/8" thread.

CB2710 (B) ......\$119.95

#### Cambo CBH-2 Ball Head

For 35mm cameras. Features 1/4-20 thread, 90° movement forward and backward. Mounts to 3/8" thread.

CB2700 (C).....\$62.59

#### **NPC Prohead**

This unique tripod head is incredibly easy to use, featuring two locking knobs for control over all movements, with one that locks both tilt axes, and one that controls rotation in convenient 15°

increments. Handles 35mm, medium format and 4x5 field cameras. NP0900.....\$249.95

#### **Quick Release Tripod Mounts**

If you ever need to go from tripod to handheld shooting when seconds count (and when don't they?), quick release can make all the difference and Calumet has a full selection from which to choose.



### **Auto Quick Release**

ORC's base plate is a spring-loaded clamp that locks when the camera plate is pressed into position. To release the camera, simply press a tab on the based plate, and lift. Sturdy enough for heavy-duty use on medium format cameras, and even 4x5 field cameras up to 5 lbs.

SO7632.....\$59.95

Camera release plate for Stroboframe QRC SO7634.....\$14.49



#### Bogen 3296 **Quick Release**

Provides any tripod with smooth quick release capabilities. Fastens quickly to existing tripod heads with 1/4-20 or 3/8" threads. Includes hexagonal camera plate, base plate and extra 3/8 screw.

BG3977 .....\$33.79

#### **Bogen 3270 Quick Release**

This versatile, low profile unit is fully compatible with \%" and 1/4-20 threads. Features easy-to-use lever release. Includes base plate and rectangular camera plate.

BG3975 .....\$25.79



#### Jumbo **Quick Release**

Make any 1/4-20 tripod system a quick release. Features a sturdy slidein design with screw clamp and base plate.



#### ARCA SWISS

## Unparalleled camera support and control!



#### THE LEGENDARY MONOBALLS

hile often imitated, no other ball-head has matched the Monoball's ability to firmly fix a camera to a tripod, and at the same time, allow ease of movement in all directions.

#### Flexible and Safe

A unique safety feature of the Monoball is its "progressive cushioning" which exerts a tightening pressure as the camera is tilted forward, thus protecting it from free-fall. As the camera is pulled back up, the pressure is automatically released. Surfaces are specially coated for lubricant-free glide that works equally well in all climates.

#### Rock-firm Grip

The Monoball can be locked at the touch of the fingertips, even with the heaviest of cameras in *any* position! Its "axial clamping" exerts equal pressure around the ball providing precise, straight camera guidance. Minimum friction can be adjusted for varying camera weights.

#### ■ Independent Axis Controls

Only the B2 is designed with one ball inside the other to allow independent rotation along the tilt and swing axis. Having separate locking knobs for each axis makes the B2 extremely attractive to table-top photographers.

#### Fits All Tripods, Stands and Cameras Monoballs can be fixed to all professional tripods with %" thread and can be ordered with Quick Set Plate for fast, safe mounting.

Other Monoball features include vibrationfree panoramic setting with tightening knob, reference scales, and the capability to make an actual 90° forward tilt.

#### Monoball B1 w/Quick Set Plate

Extremely compact and sturdy, the B1 weighs just under 1½ lbs. making it a favorite for location, nature, sports, architecture and fashion photographers. Quick Set Plates are available for a variety of individual cameras to ensure proper alignment and connection. The B1 measures 4" (h) x 2½" (w)

AB2004 (A).....\$329.95

#### Monoball B1 w/Universal Camera Plate

This sleek and ergonomically designed ballhead is remarkably compact, and yet is one of the strongest of its kind. Choose from two different models, one with ¾" thread for larger cameras, and one with ¼"-20 thread, for most smaller format cameras.

Monoball B1 w/Universal %" thread AB2006 (B) ......\$309.95

Monoball B1 w/Universal ¼" thread AB2007.....\$309.95

#### Monoball B2 w/Quick Set Plate

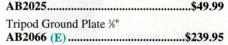
An excellent choice for studio photographers, the B2 combines the advantages of the ballhead with the attributes of a 3-dimensional tilting head. Its unique double axis rotation is designed to allow independent tilt and swing movements, separated by two locking knobs. While it will support the same weight as the B1, the B2 is a bit larger, measuring 5" (h) x 3½" (w), and weighing just under 3½ lbs.

AB2005 (C).....\$599.95

#### **Monoball Quick Set Plates Accessories**

Universal Camera Plate 3/8"

AB2010	\$49.99
Universal Camera Plate ¼" AB2011 (D)	\$49.99
Hasselblad Camera Plate ¾" AB2021	\$51.99
Hasselblad Camera Plate ¼" AB20211	
Mamiya Camera Plate AB2024	\$51.99
Small Camera Plate 24 x 36mm	<b># 40.00</b>





Ground Plate shown with optional accessories.

#### CASES

#### Zero Halliburton Cases (A)

These classic cases are extremely rugged and lightweight. Their ribbed construction gives them the rigidity and strength of much heavier cases. A substantial piano hinge and combination lock secure the case.

P-30 (B) and P-20 (C) Adapt-A-Case

Moveable partitions make P-30 and P-20 cases easily adaptable. The lightweight and sturdy P-30 features tongue-and-groove closure and steel corners. The aluminum P-20, with draw-locks for security, and fully padded interior is suitable for shipping.



Dimensions*	Model	Item No.	Price	Model	Item No.	Price
Zero Halliburton Cas	ses	THE RESERVE OF THE SECOND SECOND	A STATE OF THE STA	TABLE	r nista e rebivido e	delignate out
18 x 13 x 6"	103C (Black) Foam	ZH2221	\$169.95	103 (Silver) Foam	ZH2220	\$169.95
18 x 13 x 6"	103CD (Black) Divider Case	ZH2223	\$199.95	103CD (Silver) Divider Case	ZH2222	\$199.95
21 x 13 x 6½"	105C (Black) Foam	ZH2226	\$199.95	105 (Silver) Foam	ZH2225	\$199.95
21 x 13 x 6½"	105CD (Black) Divider Case	ZH2228	\$234.95	105CD (Silver) Divider Case	ZH2227	\$234.95
21 x 17 x 7½"	106C (Black) Foam	ZH2231	\$229.95	106 (Silver) Foam	ZH2230	\$229.95
26 x 18 x 9"	110C (Black) Foam	ZH2236	\$279.95	110 (Silver) Foam	ZH2235	\$279.95
P-30 and P-20 Adap	nt-A-Case	marstria di	are or tested to	go a hould year		id a company to the first
18 x 14 x 5"	P-30E	FB2150	\$131.95	P-20E	FB2010	\$184.95
18 x 14 x 8"	P-30D	FB2149	\$142.95	P-20D	FB2109	\$235.95
22 x 16 x 8"	P-30J	FB2155	\$167.95	P-20J	FB2015	\$268.95
22 x 16 x 10"	P-30A	FB2146	\$171.95	P-20A	FB2106	\$287.95

^{*} Interior dimensions without foam.

#### Fiberbilt Adjustable Cases (D)

Practical cases that protect tripods with plywood reinforced bottom for puncture resistance and thick rubber pad in cover to hold tripod securely. Heavy-duty web strap and large carrying handle. Cases are adjustable in length. Useful for carrying large rolled gels or fragile backgrounds.

#### Lightware Cargo Cases (E)

These extra-light, super strong cases have a pliable ½" of Duralight foam at their core to protect your valuable equipment, especially the pieces that don't fit in standard cases. Great for stands, tripods, booms, and umbrellas.

#### Calumet Soft Shell Travel Bags (F)

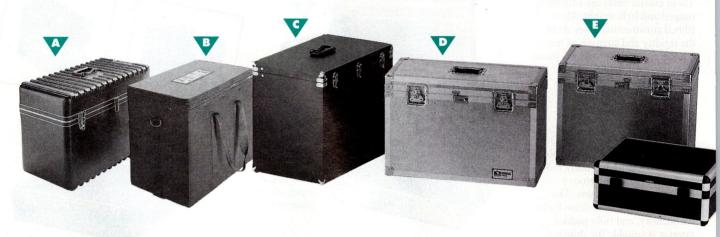
Ideal for light stands and tripods, these durable Cordura bags use heavy-duty nylon zippers on both main and outside compartments. A 2" wide sling strap wraps around the entire bag for extra safe support.







Dimensions	Item No.	Price	
Fiberbilt Adjustable Cases			
30 to 40 long x 8 ½" diameter	FB3455	\$89.95	
40 to 50 long x 8 ½" diameter	FB3460	\$94.95	
30 to 40 long x 10" diameter	FB3465	\$97.95	
40 to 50 long x 10" diameter	FB3470	\$99.95	
Lightware Cargo Cases	NAME OF STREET	enciple loonid	
23½" long x 11" x 11"	LI5000	\$124.95	
31½" long x 11" x 11"	LI5010	\$139.95	
40½" long x 11" x 11"	LI5020	\$169.95	
48½" long x 11" x 11"	L15030	\$219.95	
Calumet Softshell Travel Bags		10000000	
37½" long x 9" diameter	PI5110	\$44.95	
47½" long x 9" diameter	PI5125	\$49.95	



#### Calumet 4x5 Deluxe Molded Case

This rugged, yet economical case features a unique adjustable-divider system which makes it "more than just a view camera case." Its two main partitions slide smoothly, yet snugly into pre-cut slots along the length of the case. This allows the user to modify the case's interior configuration to fit a number of different types of cameras.

It features a fully-padded interior for safe travel, as well as a tongue-groove closure of the lid and upper lip for protection against dust and moisture. The Deluxe case is made of tough polyethylene, finished in matte black. Comes with key.

CY1000 (A).....\$159.95

#### Calumet Lightweight 4x5 Case

Safeguard your photo investments with a durable, shock-resistant case. This one is custom made to accommodate a fully assembled Calumet 45-series view camera. Two movable partitions cradle the monorail as the camera hangs safely below, with tons of padded room to spare for accessories. A tough Curdura nylon shell protects steel reinforced anti-shock plastic walls. Made with heavy-duty zippers, clasps, and webbing to take the punishment of location work. CZ3701 (B) .....\$109.95

#### Cambo 4x5 Economy Case

This vinyl-covered-wood case was designed specially for Cambo Legend and SR Series 4x5 monorail view cameras. Its ½"-thick plywood walls provide your camera with plenty of protection from dust, moisture, bumps and bruises. Its unique slide-in partitions can be inverted to cradle different monorail sizes, or removed altogether. The interior is fully-lined for additional protection to your equipment.

CZ4500 (C).....\$119.95

#### Calumet 4x5 Aluminum Case

This heavy-duty case features a textured aluminum exterior, with double-protected edges and triple-reinforced corners for maximum strength and endurance. The lid features a tough piano hinge and positive locking tongue-and-groove closure for extra protection against dust and moisture.

Features inch thick walls with ½" padded foam, and an interior with ample room for film holders, meters, extra lenses and other essentials. Built-in Presto combination lock. VK5454 (D).....\$259.95





#### Cambo 4x5 Aluminum Case

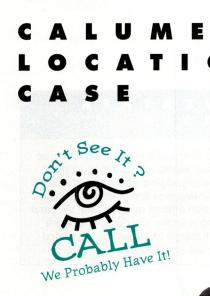
Same as Calumet version, but sized to fit Cambo Legend and SR Series 4x5 view cameras.

VK4500 (E).....\$259.95

#### Cambo 4x5 Legend Molded **Compact Case**

Made for Cambo Legend models, this sturdy yet compact carrying case features an exterior of molded polyethylene with rounded reinforced corners and a fitted foam interior designed for split-rail model cameras equipped with the 6" and 10" monorail. CB4280 (F).....\$219.95

Case	Item	Outside	Inside		Compartmen	ts		Cameras
Description	Number	Dimensions	Dimensions	Left	Middle	Right	Weight	Fit
Calumet 4x5 Deluxe Molded	CY1000	17 x 12 x 25.5"	12 x 10.25 x 24.25"		Adjustable		13.5 lbs.	45N, 45NX, 540 and SC
Calumet Lightweight 4x5	CZ3701	17 x 12 x 22.5"	16 x 10.5 x 21.5"		Adjustable		11.5 lbs.	45N, 45NX
Cambo 4x5 Economy	CZ4500	19 x 14 x 22.5"	17 x 13 x 21.5"	6"	8.5"	6.75"	23 lbs.	Legend, Master, SR
Calumet 4x5 Aluminum	VK5454	17.5 x 12 x 25.75"	15 x 10.25 x 23.5"	6"	8.75"	6"	22.5 lbs.	45N, 45NX
Cambo 4x5 Aluminum	VK4500	18 x 14.75 x 22.5"	15 x 12.5 x 20.5"	3.5"	7.5"	6.25"	22 lbs.	Legend Series, SR
Cambo 4x5 Legend Molded Compact	CB4280	19 x 15.25 x 8"	(see text)		(see text)		8.8 lbs.	4x5 Legend, Legend pc with split rails





#### **Calumet 600 Location Cart**

This rugged, collapsible cart features 2 sturdy, rubber 6" ball bearing wheels for smooth stable motion. Supports up to 300 lbs. Cart extends to 49" and collapses to a compact 20%". Comes with a limited 5-year warranty. Weight: 11 lbs.

RK6000.....\$109.95

#### **4-Wheel Conversion Kit**

For more stability, add a set of 3" swivel-caster rear wheels to your 600 Location Cart.

RK6005.....\$45.29

**Calumet Deluxe Case** More than just a view camera case! When we first introduced this case in 1984 as our "Deluxe View Camera Case," we were pretty excited. We described it as "rugged and flexible," and hoped that we would sell a lot of them with our 4x5 view cameras (it held every single model we sold at the time . . . one at a time!). Well, this thing started selling like hotcakes. And we were thrilled, but, at the same time, we were puzzled. It seemed that people were ordering three and four of these cases . . . at once.

We could understand it if this

happened every so often, but

this was happening on a regular

for months at a time, and year

after year.

basis, like day-in-and-day-out . . .

Finally, our curiosity got the best of us. We had to ask-so we did. "What are you going to do with all these view camera cases," we blurted out to a customer buying three one day, "do you really have three view cameras?" She responsed thusly, "Not on your life. I've never owned, or even shot a view camera in my life. But I do have six of these cases already that I use for everything else when we go on location . . . power packs, flash heads, soft boxes, umbrellas, meters, lenses, extra backs and backup bodies, filled with film, props, lunch and dirty laundry. Why, is there a limit?" We had to ask.

Celebrating its eighth straight year with the wrong name, the Calumet Deluxe View Camera Case-still rugged and flexible, and still selling like hotcakes. Spec it out: 12" x 25½" x 17" (O.D.) 10¼" x 24¼" x 12" (I.D.) Compartments: Adjustable, (with 2 removeable padded partitions) Interior: Fully padded with ½" foam Exterior: Textured Matte black polyethylene Weight: 13½ lbs. CY1000.....\$159.95

Additional 3" x 12" Partitions (ea.)

FB2312.....\$5.85

#### DOMKE TUNDRA

#### RUGGED CANVAS BAGS

Domke bags are constructed of naturally rugged, water-resistant canvas, which molds itself to your body. They are designed to be worked out-of while on the shoulder, and to be less conspicuous than traditional camera bags.



Features 17 compartments and pockets. Holds 3 bodies, 9 - 13 lenses plus accessories. Includes 4-compartment divider system, non-slip shoulder strap and padded bottom stiffener. Main compartment: 17" x 6" x 9" (I.D.), Wt: 3½ lbs.

DK2002 (Black)	\$129.95
DK2006 (Gray)	\$129.95
DK2007 (Navy) (A).	The state of the s
DK2008 (Sand)	\$129.95

#### F-2 "Original Bag"

Features 12 compartments and pockets. Holds 2 bodies, 6 - 10 lenses, plus accessories. Includes 4-compartment divider system, removable handle strap, non-slip shoulder strap and padded bottom stiffener. Main compartment: 12" x 6½" x 9" (I.D.), Wt: 2 lbs. 9½ oz.

DK1005 (Black)	\$98.39
DK1006 (Gray)	\$98.39
DK1007 (Navy)	
DK1008 (Sand) (B)	

#### F-6 "Little Bit Smaller Bag"

Features 9 compartments and pockets which can hold two cameras, three or four lenses, flash and accessories. Includes 4-compartment divider, non-slip shoulder strap and removable hand carrying strap. Main compartment: 7" x 13" x 7.5" (I.D.), Wt: 1 lb. 14 oz.

DK1220 (Black)	(C)\$68.29
<b>DK1221</b> (Gray)	\$68.29
<b>DK1222 (Navy)</b>	\$68.29
<b>DK1223 (Sand)</b>	\$68.29

#### F-4AF "Pro System Bag"

Features 8 compartments and pockets. Holds fully-loaded 35mm camera body with attached lens, two additional lenses, flash and accessories. Includes two compartment dividers, non-slip shoulder strap and removable hand carrying strap. Main compartment: 9" x 8" x 11" (I.D.), Wt: 2 lbs. 7oz.

DK1200 (Black) (D)	\$107.95
DK1201 (Gray)	\$107.95
DK1202 (Navy)	\$107.95
DK1203 (Sand)	\$107.95

#### F-3X "Super Compact Bag"

The F-3X is the bag to grab when the job doesn't call for your entire arsenal. Features nine compartments and pockets, including zipper pouch inside the flap, a removable padded partition, foam-lined bottom and non-slip strap. Main compartment: 8.5" x 5.5" x 9" (I.D.), Wt: 2 lbs.

DK1054 (Black)	\$73.29
DK1051 (Gray)	
DK1052 (Navy) (E)	
DK1053 (Sand)	

#### ALL-WEATHER CASES

Tundra's Sea King cases are designed for everything, because anything can happen, They are waterproof (to 33'), dust proof and crush proof. Whether you're shipping, storing or schlepping your equipment, Sea King's O-ring seal and pressure-release valve offers maximum protection against moisture, salt air, sand and dust. ABS plastic housing is strong and durable. Choose from pre-cut, multi-layer foam inserts or adjustable foam-lined partitions. Extra partition kits are also available.



4	1	3	Case	F	١
,		J	Case	Ш	ı

13.3" x 8.8" x 5.9" (I.D.) Weight: 4.1 lbs. Available with foam inserts only.

TU6131 (Black) .....\$74.99

#### 718 Cases (G)

17.8" x 12.8" x 6.8" (I.D.) Weight: 9.2 lbs.

718 Case w/partitions

718 Case w/foam inserts **TU7181 (Black)......\$114.95** 

TU7186 (Black) ..........\$144.95 TU7188 (Yellow) .......\$144.95 TU7187 (Grey) .......\$144.95

#### 821 Cases (H)

20.8" x 12.8" x 8.3" (I.D.) Weight: 10.7 lbs.

821 Case w/foam inserts TU8211 (Black).....\$144.95 821 Case w/partitions

TU8216 (Black).....\$169.95 TU8217 (Grey).....\$199.95

#### 518 Cases (I)

17.8" x 12.8" x 5.1" (I.D.) Weight: 8.4 lbs. Available with foam inserts only. TU5181 (Black).....\$114.95

#### 716 Cases (J)

16.8" x 9.8" x 6.7" (I.D.) Weight: 7.1 lbs. 716 Case w/foam inserts **TU7161 (Black)......\$99.95** 

**TU7162** (Grey) \$99.95 716 Case w/partitions **TU7166** (Black) \$129.95

Single Divider with 6 End Clips

Length of divider can be cut to customize your own case.

12" for 613

TU6140 ......\$13.95 15½" for 716 TU7169 .....\$17.75 16½" for 718 TU7190 .....\$17.50 19½" for 821

TU8219 .....\$21.25

Prices are subject to change.

#### LIGHTWARE

#### SHOCK-RESISTANT CASES

ightware cases are constructed of a soft, tri-laminate outer skin, shock-resistant Duralight™ foam and a soft, durable tricot inner liner. They will carry 8 to 10 times their own weight and are designed to be safely checked as airline baggage. Lightware's high-tech materials and construction offer water, temperature, and puncture-resistant protection to your equipment.

Calumet also carries Lightware's Compartment Cases and Cargo Cases, designed specially for lighting equipment on location. See page 41 for details.

#### Camera Cases

#### MF1623 Medium Format Case

#### MF1420 Medium Format Case (A)

The 14" x 20" x 6" interior of this case can fit a 4 x 5 field camera system, or even a location flash system. This carry-on bag has 1" walls, adjustable dividers and outside pocket. 6¾ lb.

#### LI2000.....\$239.95

MF1217 Medium Format Case
This compact 12" x 17" x 6"
(I.D.) case has 1" walls and holds

(I.D.) case has 1" walls and holds a 35mm or 2¼" camera system. Includes dividers, outside pocket and can be checked as baggage. LI2100 ......\$219.95



#### MF1015 Multiformat Case (B)

This 15½" x 10" x 8" (I.D.) case will hold 2 bodies and 5 lenses. **LI1975** ......\$219.95

#### MF912 Multiformat Case (C)

14" x 10½" x 6.5" (I.D.) case designed for new compact 35mm systems. With dividers, zippered outside pocket and several small interior pockets.

LI1950.....\$199.95

#### SA4030 Small Format Attache



#### Accessories

#### Divider Kit

2 full-length dividers to be cut to size and 10 velcro fasteners.

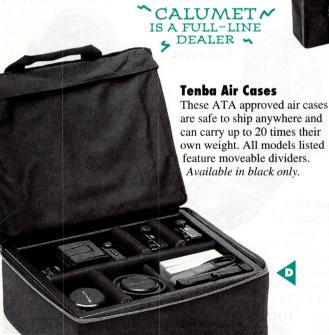
LI6010 .....\$34.95

#### Shoulder Strap

Adjustable length, padded strap with Fastex hardware.

LI6000.....\$21.95

#### TENBA







#### MFS Air Case (D)

This 18" x 8" x 14" (O.D.) case is great for medium format and 35mm systems.

Interior: 16½" x 6½" x 12½". **TE3030.....\$219.95** 

#### MF AirMax Air Case (E)

This 21" x 8" x 16" (O.D.) case, ideal for medium format systems, will fit under airline seat.

Interior: 19" x 6½" x 14½". **TE3035.....\$249.95** 

#### Multi Air Case (F)

This 24 ½" x 10 ½" x 17 ½" (O.D.) case will handle small flash heads or monolights.

Interior: 22" x 8" x 15". **TE1005................\$279.95** 

#### LIGHTWEIGHT, INNOVATIVE DESIGN

ears of research and development were devoted to finding just the right combination of materials and bonding agents for Tenba Air Cases. The result is Tenbalite. This material combines the rigidity of a specially corrugated polyethylene and the shockdampening properties of a cross-linked polyethlyene rubber foam. With Tenbalite construction, these air cases can carry ten to twenty times their weight in equipment. So, there's no need to lug a case that weighs more than the equipment you are taking.



#### AXIMUM PROTECTION

hat's so special about Tamrac bags? Each bag is designed for carrying comfort. fast access and maximum protection for your valuable equipment. With practically every kind of feature and pocket imaginable, these durable bags redefine "convenience"

#### **Medium Format Bags**

These travelling medium format bags have pockets o'plenty: Zip-Drop, Pop-Off Film, mesh accessory, front and rear zippered, and side buckled. Also Dual Action Tops and foam padded leather shoulder pads and carrying handles.

#### Medium Format Bag 622 (D)

A "full system" bag for two or more cameras.

- Scooped strobe dividers
- Accepts accessory ToolPak in front pocket

15" x 8" x 9" (I.D.) Black TQ6222.....\$180.95 Gray TQ6223.....\$180.95 Navy TQ6224.....\$180.95

#### Action Medium Format Bag 620 With Speed Flap Top for quick-

draw, light travelling shooters. 12½" x 6" x 8" (I.D.)

Black TQ6201.....\$116.95 Gray TQ6202.....\$116.95 Navy TQ6203.....\$116.95

#### **Bridge-less Super Pro 615**

A completely adjustable divider system makes these bridgeless professional bags extremely versatile and efficient.

18 X 10 X 9	
Black TQ6151	\$243.95
Gray TQ6152	\$243.95
Navy TO6153	

#### **Pro 35mm System Bags**

Full featured bags include Double Lens-Bridge for longlens-mounted cameras and Dual Action Top for security and fast access. There's pockets galore: Pop-Off Film, Zip-Drop, mesh accessory and compartmentalized pockets, plus two flapped end pockets.

#### Super Pro 614 (A)

Tamrac's largest, full-featured Lens-Bridge bag. Holds 35mm and medium format systems. 18" x 10" x 9" (I.D.)

- Strobe/Lens Hatch for units up to 17" long
- Inside top meter pocket and front pocket holds accessory **ToolPak**

Black	TQ6141	\$243.95
		\$243.95
Navy	TQ6143	\$243.95

#### **Extended Professional 613**

For the outdoor and action photographer. Large enough to hold a full camera system, small enough to fit under most airline seats. 15" x 8" x 9" (I.D.)

- Front Speed Pocket for fast access without opening bag
- Inside meter pocket and front pocket holds ToolPak
- Strobe/Lens Hatch for units up to 14" long

Black <b>TQ6131</b>	\$203.95
Gray TQ6132	\$203.95
Navy TQ6133	\$203.95

#### Pro System 608 (C)

Its compact size makes it a favorite among photojournalists. 13" x 6" x 8" (I.D.)

Black	TQ6081	\$119.95
Gray	TQ6082	\$119.95
		\$119.95

#### Pro System 624 (B)

#### The All-Formats Bag!

Holds almost any 4 x 5 field camera and a full system of supporting accessories, or can be used as a "travelling studio" for location 35mm/medium format shooters.

18" x 10" x 10½" (I.D.)

- Adjustable foam padded dividers
- **Dual Action Tops**
- Backpack harness and leather padded handle included

Black	TQ6241	\$264.95
Gray	TQ6242	\$264.95
Navy	TQ6243	\$264.95



#### **Tamrac Accessory**

Photographer's ToolPak The perfect accessory bag. TQ1125.....\$16.69



Super Photo Backpack 787

An expeditionquality photo backpack, the 787 is constructed of Cordura nylon and reinforced with an ABS platform for shock resistance. 11" x 6"x 20".

Black TQ7580 .....\$229.95 Gray TQ7582 .....\$229.95



#### Tamrac 757 PhotoPack

This backpack is comfortable and practical. Its Cordura covering is waterproof, and it is fully foam padded for comfort and protection. Features a flexible main compartment, with adjustable compartments, and a foam padded top compartment. Also includes removable side pockets and straps to hold a tripod. Size: 10.5" x 5" x 16" (I.D.) Weight: 52 oz.

TQ7575 .....\$170.95 Black Gray TQ7576 .....\$170.95

# INNOVATIVE DESIGN & CONSTRUCTION

enba bags are among the most innovative designs in the business. Tenba was the first to introduce Cordura Nylon to the industry, and the first to use a system of velcro dividers. Among the more recent innovations are welded D-rings. Tenba has good reason to be proud of their innovations—they hold 13 U.S. patents.

#### **Pro Paks**

These tough, practical, and hardworking bags are equipped with roomy pockets, inside and out, for film and bulky accessories. Pro Paks are extremely durable because they're made of Cordura Nylon, but feature the exclusive Pants Protector Panel that keeps the rough Cordura from chafing your clothes. These waterproof bags now feature improved buckles and closure systems plus a special high-frequencyvibration-dampening foam that supplements the bottom panel padding. Available in black.

#### P995

This substantial pack holds a 300mm lens vertically. Includes 16" mid-divider and 6 side dividers. 16"x9½"x7". Capacity:

#### PPPatter.

TE4000 (A).....\$259.95

#### D505

Features 12" mid-divider and 5 side dividers. 12"x7"x7". Capacity:

#### P 12 12 11 man

TE4045 (B) .....\$174.95

#### P795

Features 16" mid-divider and 6 side dividers. 16"x7"x7". Capacity:

#### Papales.

TE4010 (C).....\$207.95













#### P895

Though shorter than the P995, this sturdy pack also holds a 300mm lens vertically. A 12" mid-divider and 5 side dividers are included. 12"x9½"x7". Capacity:

## Tee ...

TE4018 (D).....\$214.95



#### **Pro Travelers**

Triple composite padded bottom offers superior protection from the shock associated with travelling, such as abrupt setdowns and the occasional offroad jeep ride. Front panel is reinforced with a torsion bar for extra protection and to prevent sagging. Double top pockets hold business cards and press passes, while large doublepadded end pockets and interior net pockets hold filters, film and other supplies. Choose from divider configurations for either medium format or 35mm camera systems. Available in black.

#### 655

Easily holds two SLR's with winders and several lenses. Measures 12"x9"x6½". Capacity:

#### 

TE5040 (35mm) ......\$167.95 TE5064 (Med.) ......\$167.95

#### 675

This large, yet mobile bag measures 16" x 9" x 7" (I.D.) with two substantial end pockets. Capacity:

#### ــ و قد الله و الله

TE5050 (35mm) (E) ...\$207.95

#### 684

This 16" x 7" x 8" (I.D.) bag is the maximum size to legally fit under an airline seat. Capacity:

#### 

TE5060 (35mm) (F) ...\$244.95

#### 695

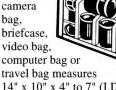
Measures 16" x 10" x 8" (I.D.) with two roomy end pockets. Capacity:

#### 

TE5062 (35mm) ......\$259.95 TE5070 (Med.) .....\$259.95

#### Traveler 415

This multipurpose camera bag,



travel bag measures 14" x 10" x 4" to 7" (I.D.) A unique exterior expansion zipper allows you to quickly double the capacity.

TE5000 .....\$128.95

# POLYESTER FILTERS



## POLYESTER FILTERS: SUPERIOR QUALITY!

Polyester filters offer many advantages over the traditional "gelatin" filters, and are priced at a substantial savings!

Polyester filters will withstand the rigors of daily studio or location use for a longer life than gelatin filters. They're impervious to water and can be cleaned quite easily and safely.

A 100 micron (0.1mm) polyester film offers an extremely smooth surface and a highly efficient transmission rate — with no image degradation. Dye colors are fused into the filter and will retain their color value, even after extended use. Each filter is tested for 100% accuracy of color and clarity by computer-linked spectrophoto-meters. All polyester filters are fully compatible with Kodak Wratten Gels.

No matter what your filter needs might be – color compensating, adjusting color temperature, Neutral Density, fluorescent correction, UV-absorbing, or black & white contrast control – Calumet's Polyester Filter System offers a solution.

Bottom line: there is no greater value available anywhere in the world of filters than Calumet Polyester Filters.

		C	orrection		
	3 x 3" \$8.95	4 x 4" \$14.95		3 x 3" \$8.95	4 x 4" \$14.95
CC025Y	LE3002	LE4002	CC025R	LE3302	LE4302
CC05Y	LE3005	LE4005	CC05R	LE3305	LE4305
CC10Y	LE3010	LE4010	CC10R	LE3310	LE4310
CC20Y	LE3020	LE4020	CC20R	LE3320	LE4320
CC30Y	LE3030	LE4030	CC30R	LE3330	LE4330
CC40Y	LE3040	LE4040	CC40R	LE3340	LE4340
CC50Y	LE3050	LE4050	CC50R	LE3350	LE4350
CC025M	LE3102	LE4102	CC025G	LE3402	LE4402
CC05M	LE3105	LE4105	CC05G	LE3405	LE4405
CC10M	LE3110	LE4110	CC10G	LE3410	LE4410
CC20M	LE3120	LE4120	CC20G	LE3420	LE4420
CC30M	LE3130	LE4130	CC30G	LE3430	LE4430
CC40M	LE3140	LE4140	CC40G	LE3440	LE4440
CC50M	LE3150	LE4150	CC50G	LE3450	LE4450
CC025C	LE3202	LE4202	CCO25B	LE3502	LE4502
CC05C	LE3205	LE4205	CC05B	LE3505	LE4505
CC10C	LE3210	LE4210	CC10B	LE3510	LE4510
CC20C	LE3220	LE4220	CC20B	LE3520	LE4520
CC30C	LE3230	LE4230	CC30B	LE3530	LE4530
CC40C	LE3240	LE4240	CC40B	LE3540	LE4540
CC50C	LE3250	LE4250	CC50B	LE3550	LE4550

Filters for B&W Film			
	3 x 3" \$8.95	4 x 4" \$14.95	
3 Lt. Yellow	LE3703	LE4703	
8 Yellow	LE3708	LE4708	
11 Yellow/Green	LE3710	LE4710	
12 Deep Yellow	LE3712	LE4712	
15 Deep Yellow	LE3715	LE4715	
16 Yellow/Orange	LE3716	LE4716	
21 Orange	LE3721	LE4721	
23A Light Red	LE3724	LE4724	
	\$12.49	\$24.95	
25 Red	LE3725	LE4725	
47B Blue	LE3747	LE4747	
58 Green	LE3758	LE4758	
87 Infrared	LE3787	LE4787	

	3 x 3" \$15.95	4 x 4" \$34.95
ND .3 (1 Stop)	LE3603	LE4603
ND .6 (2 Stop)	LE3606	LE4606
ND .9 (3 Stop)	LE3609	LE4609
UV	Correction	
	3 x 3" \$8.95	4 x 4" \$14.95

LE3722

LE3723

LE4711

LE4722

LE4723

**Neutral Density** 

Color Conversion			
	3 x 3" \$8.95	4 x 4" \$14.95	
80A 3200 K to 5500 K	LE3801	LE4801	
80B 3400 K to 5500 K	LE3802	LE4802	
80C 3800 K to 5500 K	LE3803	LE4803	
80D 4200 K to 5500 K	LE3804	LE4804	
81 Warming — 100 K	LE3810	LE4810	
81A Warming — 200 K	LE3811	LE4811	
81B Warming — 300 K	LE3812	LE4812	
81C Warming — 400 K	LE3813	LE4813	
81D Warming — 500 K	LE3814	LE4814	
81EF Warming — 650 K	LE3815	LE4815	
82 Cooler +100 K	LE3820	LE4820	
82A.Cooler +200 K	LE3821	LE4821	
82B Cooler +300 K	LE3822	LE4822	
82C Cooler +400 K	LE3823	LE4823	
85 5500 K to 3400 K	LE3850	LE4850	
85B 5500 K to 3200 K	LE3852	LE4852	
85C 5500 K to 3800 K	LE3853	LE4853	

	3 x 3" \$8.95	4 x 4" \$14.95
FLD Warm White 3600 K	LE3900	LE4900
FLD White 4300 K	LE3905	LE4905
FLD Cool White 5700 K	LE3910	LE4910
FLB Warm White 3600 K	LE3915	LE4915
FLB White 4300 K	LE3920	LE4920
FLB Cool White 5700 °K	LE3925	LE4925

**Fluorescent** 

Soft-	Focus Filter	s
	3 x3" \$8.95	4 x4" \$14.95
Soft #1	LE3941	LE4941
Soft #2	LE3942	LE4942
Soft #3	LE3943	LE4943
Soft #4	LE3944	LE4944
Soft #5	LE3945	LE4945

Polyester lens filters must not be placed between polarizer filter and subject.





#### **RESIN FILTERS: LIGHTWEIGHT AND SHATTERPROOF!**

Resin filters offer many advantages over glass filters, including lightweight, shatterproof design. These tough, 2mm-thick filters are made under stringent quality controls, with each filter checked to ensure superior optical and color quality.

Of special interest is our Graduated Filters; elongated 4 x 5" filters with a 50/50 clear-to-color gradation, available in several grades of intensity from #1 (light) up to #7 (deep). Each Calumet Resin Filter comes in its own soft storage pouch to protect your investment.

#### **RESIN STARTER KITS**

Enjoy the "natural look" that can be achieved with our Resin Special and Color Effects Filters, and save nearly 20% when you buy them in these popular starter kits.

#### **Resin Color Grad Starter Kit**

Includes one each Cyan, Magenta, and Yellow Graduated filters.

LE5090 .....\$149.95

#### **Resin Sky Starter Kit**

With one each Sunset #2 and Sky Blue #3 Graduated filters, and a Coral Stripe filter with a 10mm band of warm coral that can be moved anywhere in frame with optional Slide-in Filter Holder.

LE5091 ......\$149.95

LE5091 .....\$149.9

#### **Resin Mist Starter Kit**

#### **Resin Selective Star Starter Kit**

#### **Resin Autumn Tints Starter Kit**

Includes one each Tobacco #2, Coral #6 and Chocolate #2 Graduated filters for subtle variations of tone and color. LE5094 ......\$149.95

**Resin Filter Cleaner** 

60ml. bottle.

LE7000 .....\$5.95

4 x 4"	\$39.95
80A 3200 K to 5500 K	LE6801
80B 3400 K to 5500 K	LE6802
80C 3800 K to 5500 K	LE6803
80D 4200 K to 5500 K	LE6804
81 Warming -100 K	LE6810
81A Warming -200 K	LE6811
81B Warming -300 K	LE6812
81C Warming -400 K	LE6813
81D Warming -500 K	LE6814
81EF Warming -650 K	LE6815
82 Cooler +100 K	LE6820
82A.Cooler +200 K	LE6821
82B Cooler +300 K	LE6822
82C Cooler +400 K	LE6823
85 5500 K to 3400 K	LE6850
85B 5500 K to 3200 K	LE6852
85C 5500 K to 3800 K	LE6853

#### **Fluorescent**

4 x 4"	\$39.95
FLD Warm White 3600 K	LE6900
FLD White 4300 K	LE6905
FLD Cool White 5700 K	LE6910
FLB Warm White 3600 K	LE6915
FLB White 4300 K	LE6920
FLB Cool White 5700 K	LE6925

#### **Neutral Density**

\$72.95
LE6603
LE6606
LE6609

#### **UV & Polarizer**

4 x 4"	\$39.95
UV	LE6710
2B	LE6722
2E	LE6724
Polarizer	LE6715

#### Filters for B&W Film

4 x 4"	\$72.95	4 x 4"	\$72.95	
3 Lt. Yellow	LE6753	16 Yel/Orange	LE6766	
8 Yellow	LE6758	, ,	LE6768	
11 Yellow/Green	LE6760	23A Light Red	LE6770	
12 Deep Yellow	LE6762	25 Red	LE6772	
15 Deep Yellow	LE6764			

4 x 4"	\$39.95	4 x 4"	\$39.95
CC025Y	LE6002	CC025R	LE6302
CC05Y	LE6005	CC05R	LE6305
CC10Y	LE6010	CC1OR	LE6310
CC20Y	LE6020	CC20R	LE6320
CC30Y	LE6030	CC30R	LE6330
CC40Y	LE6040	CC40R	LE6340
CC50Y	LE6050	CC50R	LE6350
CC025M	LE6102	CC025G	LE6402
CC05M	LE6105	CC05G	LE6405
CC10M	LE6110	CC10G	LE6410
CC20M	LE6120	CC20G	LE6420
CC30W	LE6130	CC30G	LE6430
CC40M	LE6140	CC40G	LE6440
CC50M	LE6150	CC50G	LE6450
CC025C	LE6202	CC025B	LE6502
CC05C	LE6205	CC05B	LE6505
CC10C	LE6210	CC10B	LE6510
CC20C	LE6220	CC20B	LE6520
CC30C	LE6230	CC30B	LE6530
CC40C	LE6240	CC40B	LE6540
CC50C	LE6250	CC50B	LE6550

#### Graduated

4 x 5"	\$59.95	4 x 5"	\$59.95
Sky Blue #1	LE5101	Coral #6	LE5126
Sky Blue #2	LE5102	Coral #7	LE5127
Sky Blue #3	LE5103	Sunset #1	LE5141
Sky Blue #4	LE5104	Sunset #2	LE5142
Sky Blue #5	LE5105	Sunset #3	LE5143
Chocolate #1	LE5111	Sepia #1	LE5151
Chocolate #2	LE5112	Sepia #2	LE5152
Chocolate #3	LE5113	Sepia #3	LE5153
Chocolate #4	LE5114	Yellow	LE5200
Chocolate #5	LE5115	Cyan	LE5210
Coral #1	LE5121	Coral	LE5220
Coral #2	LE5122	Magenta	LE5230
Coral #3	LE5123	Green	LE5240
Coral #4	LE5124	Blue	LE5250
Corol #5	IF5125	Ponny Red	IE5260

#### Graduated N.D.

4 x 5"	\$72.95
ND .3 (1 Stop)	LE5133
ND .6 (2 Stop)	LE5136
ND .9 (3 Stop)	LE5139

#### Fog

4 x 4"	\$39.95
Fog #1	LE6731
Fog #3	LE6733
Fog #5	LE6735

# FILTER FRAMES FILTER HOLDERS





#### Rotates 360° and Adapts to most Lenses, ANY 4" Filter!

Our versatile, rotating filter holder features 3 slots: the first slot is adaptable to 4" filters of any thickness and the second and third slots hold Resin Filters. Quick and easy to use — simply slide in the filter and the built-in tension tabs keep it in place. Ideal for adjusting graduated filters! Adapts to any lens with filter threads from 49mm to 82mm, including Hasselblad 50 and 60 Bay Series.

LE5000 .....\$99.95

#### Adapters for Calumet Slide-in Filter Holder and Compendium Lens Shade

49mm	LE5049	\$34.95
52mm	LE5052	\$34.95
55mm	LE5055	.\$34.95
58mm	LE5058	\$34.95
62mm	LE5062	\$34.95
67mm	LE5067	\$34.95
72mm	LE5072	\$34.95
77mm	LE5077	.\$34.95
82mm	LE5082	\$34.95
Hasselb	lad 50 Bay Series	
		\$34.95
Hasselb	lad 60 Bay Series	
		\$34.95



#### Calumet Compendium Lens Shade

#### Pliable Bellows Hold their Shape!

Attach this compendium to our Calumet Filter Holder or adapt it straight to your lens. Cuts the glare out for clean, sharp images. Constructed of high quality, self-locking, no-memory materials. It can be flexed multi-directionally for maximum coverage, whether you're shooting medium or large format. Can hold vignettes on front with optional Vignette Holder Kit.

LE5005.....\$99.95

#### **Vignette Holder Kit**



#### **Calumet Filter Frames**

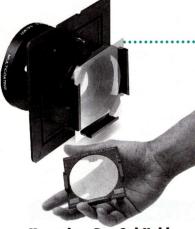
Protect your investment in gelatin and polyester filters with these self-sealing cardboard frames. By mounting each filter between two frames you can extend the life expectancy of that filter immensely!

- Easier handling
- Safer storage
- Quicker identification

Space is provided for writing the filter type and factor on each frame. Package of 30 frames. Note: Each filter requires two frames.

4x4" Frames for 4x4" filters.

CC9035\$18.99
4x4" Frames for 3x3" filters. <b>CC9036\$18.99</b>
3x3" Frames for 3x3" filters.



#### Xenophon Pro Gel Holder

# Protect your gelatin or polyester filters by mounting them behind the lens!

These inventive filter holders, now featuring spring clips that secure your filters in place—even during transit—are the best protection for delicate (and costly) gelatin filters. Because filters are positioned behind the lens, they aren't exposed to dust, moisture and finger prints – the enemies of filters, especially gelatin ones. In addition, mounting filters behind the lens eliminate flares that in-front-of-the-lens filters can cause.

These universal holders, available for 3" or 4" filters mount directly to nearly all lensboards (field, 4x5, 8x10). The depth of the holder can be adjusted at any time to precisely match your lens (The 4" model may be necessary for larger lenses.)

3" Holder XB6550 ......\$39.99 4" Holder XB6560 ......\$49.99 Set of Spring Clips to upgrade older models

XB6570 .....\$9.95



#### Kenko Technical Filter Holders

This high quality gel holder holds filters extremely flat.

inters ex	tremely flat.	
48mm	KT0100	\$45.99
52mm	KT0105	\$45.99
55mm	KT0110	\$45.99
58mm	KT0115	\$45.99
62mm	KT0120	\$45.99
67mm	KT0125	\$66.99
72mm	KT0130	\$66.99
77mm	KT0135	\$66.99



#### Universal Gelatin Filter Holder





#### **Compendium II Lens Shade**

For use on any lens (even telephoto, zoom and wide angle) and any camera including 4 x 5! Accepts 3" and 4" square filters, as well as rotating polarizing filters. Supported by sturdy under-rails to reduce stress on lens and filter threads. Requires mounting hardware and Size 9 Adapter Ring.

LD5000 (Å).....\$189.95

#### **Compendium II Mounting Hardware and Accessories**

	9
Short Mount For wide and normal lens LD5013	
Medium Mount For portrait lenses LD5002	\$47.69
Size 9 Adapter Rings 49mm-82mm Specify size	\$26.69
Auxiliary Bellows Reduces lens flare. Attachmagnetically. LD5001	
3" to 4" Filter Slot Convertal Allows the use of 3" filter Cokin "A" Series Filters. LD5005	rs, and
Second Filter Slot LD5023	\$14.99
4½" x 5½" Vignette Conversor Lindahl vignetters LD5006	

#### **Filter Holders**

Allows specific filters to be used in the filter slot of the Compendium II Lens Shade. Holder for 3" Square Filters

LD4060 .....\$10.79 Holder for 4" Acrylic Filters LD4065 .....\$10.79

Holder for 4" Gelatin Filters LD4072 .....\$10.79

Compendium II View Camera Kit

Lens shade system for Calumet, Sinar, Plaubel and Toyo 4x5 view cameras. Includes Compendium II lens shade, view camera mounting hardware and 4" gelatin filter holder. Requires Size 9 Adapter, not included.

LD4915 .....\$292.95 Lindahl offers a selection of products too numerous to be shown here. Call

1-800-CALUMET for information on other Lindahl products.



#### Lindahl Bell-O-Shade

This adjustable lens shade/filter holder/vignetter can be used on most cameras and most lenses. Adjusts from 2" to 6" and features a 3" filter slot, next to the lens, and a 4½" slot for vignettes or montaging masks. Comes with extension rods. Requires adapter. Vignettes and filters sold separately.

LD2000 (B).....\$99.95 Lindahl Bell-O-Shade for Hasselblad CF. Adapter included. LD2005.....\$109.95

#### **Lindahl Pro Vignetter**

This adjustable vignetting system can be used with different focal length lenses. It features a 3" filter slot, and two 4½" slots. The center slot is for glass neutral-density vignettes. The front standard is for hikey vignetting and double exposures, and will also accept magnetic vignettes. Includes extension rods. Requires adapter. Vignettes and filters sold separately.

LD1000 (C).....\$199.95 Pro Vignetter for Hasselblad CF Adapter included. LD1005 ......\$209.95

#### **Lindahl Adapters** and Accessory Kits

For Bell-O-Shade and Pro-Vignetter

LD0149 .....\$15.49 49mm LD0152 .....\$15.49 52mm 55mm LD0155 .....\$15.49 58mm LD0158.....\$15.49 LD0162.....\$15.49 62mm 67mm LD0167 .....\$15.49 LD0172.....\$21.09 72mm LD0177 .....\$21.09 77mm Hasselblad C Lens Adapter

LD0179.....\$21.09 Set of 4 Neutral-Density Vignettes Also available individually.

LD1205 .....\$61.79 Set of 4 White Hi-Key Vignettes LD1100 .....\$20.59 Set of 4 Black Opaque Vignettes LD1200 .....\$20.59 Master Vignette Package includes

set of 4 White Hi-Key Vignettes and 4 Black Opaque Vignettes LD1037 .....\$39.99 Basic Montaging Set (10 masks)

LD2100 .....\$28.49 Advanced Montaging Set

(20 masks) LD2200 .....\$45.19

#### **Creativity Kits**

Packages of 6 vignettes for various lighting situations

White LD1290 .....\$42.69 Black LD1295 .....\$42.69 Clear LD1297 .....\$42.69

#### TIFFEN FILTERS

Calumet sells Tiffen filters because Tiffen offers the widest selection of professional grade filters available. Meticulous American craftsmanship, constant inspection and highest quality materials combine to make Tiffen durable and dependable filters. Tiffen filters are used by major motion picture studios and TV stations, and were even used by NASA for the lunar photographs.



Quantity discount does not apply to Lenshades, Filter Holders, Adapter Rings, Filter Accessories or special order filters.



10 Year Warranty

	49m	52m	55mm	58mm	62mm	67mm	72mm	77mm	Bay 60
	\$7.99	\$8,99	\$8.99	\$10.99	\$13.99	\$13.99	\$24.99	\$24.99	\$103.9
Clear	TF49000	TF52000	TF55000	TF58000	TF62000	TF67000	TF72000	TF77000	TF60000
	\$8.99	\$8.99	\$8.99	\$10.99	\$13.99	\$13.99	\$24.99	\$24.99	\$47.49
1A Sky	TF49015	TF52015	TF55015	TF58015	TF62015	TF67015	TF72015	TF77015	TF60015
UV Haze 1	TF49010	TF52010	TF55010	TF58010	TF62010	TF67010	TF72010	TF77010	TF60010
	\$9.99	\$9.99	\$9.99	\$11.49	\$16.49	\$16.49	\$28.99	\$28.99	\$52.99
8 Medium Yellow	TF49215	TF52215	TF55215	TF58215	TF62215	TF67215	TF72215	TF77215	TF60215
11 Lt. Green	TF49222	TF52222	TF55222	TF58222	TF62222	TF67222	TF72222	TF77222	TF6022
15 Yellow-Orange	TF49227	TF52227	TF55227	TF58227	TF62223	TF67227	TF72227	TF77227	TF6022
25 Red	TF49266	TF52266	TF55266	TF58266	TF62266	TF67266	TF72266	TF77266	TF6026
ND 0.3 1 Stop	TF49320	TF52320	TF55320	TF58320	TF62320	TF67320	TF72320	TF77320	TF6032
ND 0.6 2 Stops	TF49323	TF52323	TF55323	TF58323	TF62323	TF67323	TF72323	TF77323	TF60323
ND 0.9 3 Stops	TF49326	TF52326	TF55326	TF58326	TF62326	TF67326	TF72326	TF77326	TF6032
<b>80A</b> 3200 to 5500 °K	TF49132	TF52132	TF55132	TF58132	TF62132	TF67132	TF72132	TF77132	TF6013:
<b>80B</b> 3400 to 5500 °K	TF49136	TF52136	TF55136	TF58136	TF62136	TF67136	TF72136	TF77136	TF6013
<b>81A</b> Warming -200 °K	TF49106	TF52106	TF55106	TF58106	TF62106	TF67106	TF72106	TF77106	TF6010
81B Warming -300 °K	TF49108	TF52108	TF55108	TF58108	TF62108	TF67108	TF72108	TF77108	TF6010
	\$15.99	\$15.99	\$15.99	\$18.99	\$26.49	\$26.49	\$47.49	\$47.49	\$103.9
UV Haze 2A	TF49011	TF52011	TF55011	TF58011	TF62011	TF67011	TF72011	TF77011	TF6001
UV 15	TF49005	TF52005	TF55005	TF58005	TF62005	TF67005	TF72005	TF77005	versal ext
UV 16	TF49006	TF52006	TF55006	TF58006	TF62006	TF67006	TF72006	TF77006	TF6000
UV17	TF49007	TF52007	TF55007	TF58007	TF62007	TF67007	TF72007	TF77007	TF6000
6 Lt. Yellow	TF49206	TF52206	TF55206	TF58206	TF62206	TF67206	TF72206	TF77206	TF6020
9 Deep Yellow	TF49220	TF52220	TF55220	TF58220	TF62220	TF67220	TF72220	TF77220	TF6022
12 Yellow	TF49224	TF52224	TF55224	TF58224	TF62224	TF67224	TF72224	TF77224	TF60224
13 Deep Green	TF49225	TF52225	TF55225	TF58225	TF62225	TF67225	TF72225	TF77225	TF6022
16 Lt. Orange	TF49230	TF52230	TF55230	TF58230	TF62230	TF67230	TF72230	TF77230	TF60230
21 Orange	TF49236	TF52236	TF55236	TF58236	TF62236	TF67236	TF72236	TF77236	TF6023
23A Lt. Red	TF49260	TF52260	TF55260	TF58260	TF62260	TF67260	TF72260	TF77260	TF6026
29 Deep Red	TF49270	TF52270	TF55270	TF58270	TF62270	TF67270	TF72270	TF77270	TF6027
47 Blue	TF49520	TF52520	TF55520	TF58520	TF62520	TF67520	TF72520	TF77520	TF60520
47B Blue	TF49525	TF52525	TF55525	TF58525	TF62525	TF67525	TF72525	TF77525	TF6052
56 Lt. Green	TF49536	TF52536	TF55536	TF58536	TF62536	TF67536	TF72536	TF77536	TF6053
58 Green	TF49540	TF52540	TF55540	TF58540	TF62540	TF67540	TF72540	TF77540	TF60540
61 Deep Green	TF49545	TF52545	TF55545	TF58545	TF62545	TF67545	TF72545	TF77545	TF60545
<b>80C</b> 3800 to 5500 °K	TF49139	TF52139	TF55139	TF58139	TF62139	TF67139	TF72139	TF77139	TF60139
<b>81</b> Warming -100 °K	TF49103	TF52103	TF55103	TF58103	TF62103	TF67103	TF72103	TF77103	TF60103
81C Warming -400 °K	TF49111	TF52111	TF55111	TF58111	TF62111	TF67111	TF72111	TF77111	TF6011
81D Warming -500 °K	TF49112	TF52112	TF55112	TF58112	TF62112	TF67112	TF72112	TF77112	TF6011:
<b>82</b> Cooler +100 °K	TF49122	TF52122	TF55122	TF58122	TF62122	TF67122	TF72122	TF77122	TF60122
B2A Cooler +200 °K	TF49124	TF52124	TF55124	TF58124	TF62124	TF67124	TF72124	TF77124	TF60124
<b>B2B</b> Cooler +300 °K	TF49126	TF52126	TF55126	TF58126	TF62126	TF67126	TF72126	TF77126	TF60126
<b>B2C</b> Cooler +400 °K	TF49128	TF52128	TF55128	TF58128	TF62128	TF67128	TF72128	TF77128	TF60128
<b>85</b> 5500 to 3400 °K	TF49150	TF52150	TF55150	TF58150	TF62150	TF67150	TF72150	TF77150	TF60150
<b>B5B</b> 5500 to 3200 °K	TF49153	TF52153	TF55153	TF58153	TF62153	TF67153	TF72153	TF77153	TF60153
<b>85C</b> 5500 to 3800 °K	TF49156	TF52156	TF55156	TF58156	TF62156	TF67156	TF72156	TF77156	TF6015
2-2-2-5	\$15.99	\$15.99	\$15.99	\$18.99	\$26.49	\$26.49	\$47.49	\$47.49	\$52.99
FL-B	TF49505	TF52505	TF55505	TF58505	TF62505	TF67505	TF72505	TF77505	TF6050
FL-D	TF49510	TF52510	TF55510	TF58510	TF62510	TF67510	TF72510	TF77510	TF60510

**Tiffen CC (Color Correction) Filters**NOW AVAILABLE...Threaded glass color correction filters from Tiffen. Choose from a complete selection of Red, Blue, Green, Cyan, Magenta and Yellow filters in a selection of densities from CC05 to CC50. Special density filters also are available.

Call your Technical Sale Representative toll-free at 1-800-CALUMET (1-800-225-8638) for more information.



	49mm	52mm	55mm	58mm	62mm	67mm	<b>72</b> mm	77mm	Bay 60
99,130 90 EE	\$15.49	\$15.49	\$15.49	\$17.99	\$22.49	\$35.49	\$35.49	\$35.49	\$58.99
Linear Polarizer*	TF49053	TF52053	TF55053	TF58053	TF62053	TF67053	TF72053	TF77053	TF60053
	\$32.99	\$32.99	\$32.99	\$34.99	\$47.99	\$47.99	\$63.99	\$63.99	_
Circular Polarizer	TF49052	TF52055	TF55055	TF58055	TF62055	TF67055	TF72055	TF77054	_
	\$40.99	\$40.99	\$40.99	\$59.99	\$71.99	\$71.99	\$109.99	_	
Close Up Set (+1, +2, +4)	TF49348	TF52348	TF55348	TF58348	TF62348	TF67348	TF72348	_	, <del>-</del>
1 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	\$26.49	\$26.49	\$26.49	\$30.49	\$38.49	\$38.49	\$60.49	\$60.49	\$84.99
Fog Effect #1	TF49444		TF55444	TF58444	TF62444	TF67444	TF72444	TF77444	TF60444
Fog Effect #2	TF49445	TF52445	TF55445	TF58445	TF62445	TF67445	TF72445	TF77445	
Fog Effect #3	TF49446	TF52446	TF55446	TF58446	TF62446	TF67446	TF72446	TF77446	TF60446
	\$32.49	\$32.49	\$32.49	\$40.99	\$50.49	\$50.49	\$68.49	\$68.49	\$84.99
Soft/FX #1	TF49433	TF52433	TF55433	TF58433	TF62433	TF67433	TF72433	TF77433	TF60433
Soft/FX #3 Soft/FX #5	TF49434 TF49435	TF52434 TF52435	TF55434 TF55435	TF58434 TF58435	TF62434 TF62435	TF67434 TF67435	TF72434 TF72435	TF77434 TF77435	TF60434
30IT/FA #3									TF60435
	\$24.49	\$24.49	\$24.49	\$28.49	\$32.49	\$32.49	\$42.49	\$42.49	\$84.99
Center Spot	TF49300	TF52300	TF55300	TF58300	TF62300	TF67300	TF72300	TF77300	TF60300
	\$20.99	\$20.99	\$20.99	\$22.49	\$25.49	\$25.49	\$35.99	\$35.99	Carlo Francis
Split Field #1	TF49335	TF52335	TF55335	TF58335					140
Split Field #2 Split Field #3	TF49336 TF49337	TF52336 TF52337	TF55336 TF55337	TF58336 TF58337	TF62336	TF67336	TF72336	TF77336	jaban <del>in</del> sa
Spir rieia #3	No. of Special Control		reserva dorada	A CASE CENTER PO	adati, i			124 7 9000	i vec <del>o </del> din
	\$20.99	\$20.99	\$20.99	\$24.99	\$37.49	\$37.49	\$63.49	\$63.49	or 10. <mark>eu</mark> 210.
4 Pt. Star 1 mm**	TF49390 TF49391	TF52390	TF55390	TF58390	TF (000)				
4 Pt. Star 2mm**		TF52391	TF55391	TF58391	TF62391	TF67391	TF72391	TF77391	
TO COLUMN	\$26.49	\$26.49	\$26.49	\$30.99	\$42.99	\$42.99	\$72.99	\$72.99	12 X 30 10 11325
6 Pt. Star 2mm**	TF49395	TF52395	TF55395	TF58395	TF62395	TF67395	TF72395	TF77395	200
	\$28.99	\$28.99	\$28.99	\$34.49	\$47.49	\$47.49	\$75.99	\$75.99	Andrew Track
8 Pt. Star 2mm**	TF49397	TF52397	TF55397	TF58397	TF62397	TF67397	TF72397	TF77397	- <del>1</del>
	\$28.49	\$28.49	\$28.49	\$36.49	\$46.49	\$46.49	\$62.49	\$62.49	\$117.99
Sepia 2	TF49492	TF52492	TF55492	TF58492	TF62492	TF67492	TF72492	TF77492	TF60492
Sepia 3 w/Lt. Fog	TF49493	TF52493	TF55493	TF58493	TF62493	TF67493	TF72493	TF77493	TF60493
	\$28.49	\$28.49	\$28.49	\$36.49	\$46.49	\$46.49	\$62.49	\$62.49	odx=do)
Low Contrast 1	TF49495	TF52495	TF55495	TF58495	<del>-</del>	TF67495	TF72495	TF77495	-
Low Contrast 2	TF49496	TF52496	TF55496	TF58496	TF62496	TF67496	TF72496	TF77496	_
Low Contrast 3	TF49497	TF52497	TF55497	TF58497	TF62497	TF67497	TF72497	TF77497	1 - T
Softnet Diffusion	\$28.49	\$28.49	\$28.49	\$36.49	\$46.49	\$46.49	\$62.49	\$62.49	\$84.99
White #1 Density	TF49480	TF52480	TF55480	TF58480	TF62480	TF67480	TF72480	TF77480	TF60480
White #2 Density White #3 Density	TF49481 TF49482	TF52481 TF52482	TF55481 TF55482	TF58481 TF58482	TF62481	TF67481	TF72481	TF77481	TF60481
Black #1 Density	TF49470	TF52470	TF55470	TF58470	TF62482 TF62470	TF67482 TF67470	TF72482 TF72470	TF77482 TF77470	TF60482 TF60470
Black #2 Density	TF49471	TF52471	TF55471	TF58471	TF62471	TF67471	TF72471	TF77471	TF60471
Black #3 Density	TF49472	TF52472	TF55472	TF58472	TF62472	TF67472	TF72472	TF77472	TF60472
The Period American Commence	\$74.49	\$74.49	\$74.49	\$74.49	\$74.49	\$82.99	\$82.99	\$82.99	\$84.99
Skin Tone #1 Density	TF49475	TF52475	TF55475	TF58475	TF62475	TF67475	TF72475	TF77475	TF60475
Skin Tone #2 Density	TF49476	TF52476	TF55476	TF58476	TF62476	TF67476	TF72476	TF77476	TF60476
Skin Tone #3 Density	TF49477	TF52477	TF55477	TF58477	TF62477	TF67477	TF72477	TF77477	TF60477
	\$9.99	\$9.99	\$9.99	\$11.49	\$16.49	\$16.49	\$28.99	\$28.99	\$52.99
812	TF49310	TF52310	TF55310	TF58310	TF62310	TF67310	TF72310	TF77310	TF60310
	\$52.49	\$52.49	\$52.49	\$79.99	\$83.99	\$83.99	\$97.49	\$97.49	I I NAME
Enhancing #1	TF49305	TF52305	TF55305	TF58305	TF62305	TF67305	TF72305	TF77305	_

#### TMC™ Multicoated Filters

These newly developed filters can actually increase the contrast and apparent sharpness of a scene by minimizing stray reflections and lens flare. Particularly useful with multiple filter applications and in backlit situations. Tiffen's unique lamination process ensures color consistency and durability.

	49mm	52mm	55mm	58mm	62mm	67mm	72mm	77mm
49.1	\$14.99	\$14.99	\$14.99	\$16.99	\$26.99	\$26.99	\$41.99	\$41.99
TMC Sky 1A	TF49016	TF52016	TF55016	TF58016	TF62016	TF67016	TF72016	TF77016
TMC Haze 1	TF49012	TF52012	TF55012	TF58012	TF62012	TF67012	TF72012	TF77012

# Filter Facts

## Polarizers – Linear and Circular

The standard linear polarizer may be used with many cameras, while the circular polarizer is for use on cameras with beamsplitting metering systems which are commonly found on automatic SLR cameras. Check your camera manual for the metering system employed.

Along with reducing or eliminating glare and reflections from glass, water or metallic surfaces, a polarizer also deepens and intensifies blue skies and minimizes haze in both color and b&w photographs. Both filters require between 1½ and 2-stops exposure compensation.

## Neutral Density (ND)

Enables you to control and reduce the light reaching the lens and/or film. Used to help maintain proper exposure, which produces better colors, contrast and detail, by preventing over-exposure when taking pictures of a brightly lit subject on a sunny day, especially with high speed film. Determine light reduction required (in f-stops) and choose ND filter that will achieve the appropriate reduction:

ND.3 = 1 f/stop reduction ND.6 = 2 f/stop reduction ND.9 = 3 f-stop reduction

## **Enhancing Filters**

Ideal for increasing interest in red and orange subjects, such as the dramatic colors of autumn. This unique filter is made of didymium glass, which creates brighter, more saturated reds, rust browns, and oranges on film, with minimal effect to other colors. When combined with a Polarizer, you'll get intensified color in the foreground landscape and beautiful blue skies with maximum color saturation. Requires between ½ and 1-stop exposure compensation.

## Soft/FX Filters

This portrait improvement filter system uses selective diffusion to smooth out wrinkles and skin blemishes, yet overall appearance remains sharp. Available in three densities: #1 for subtle softening, #3 for modest softening, and #5 for maximum effect. Does not require exposure compensation.



# Tiffen Series Filters

Calumet carries a wide selection of Tiffen Series 5, 6, 7, 8 and 9 filters and series adapter rings. For details, call 1-800 CALUMET. (1-800-225-8638)

#### TIFFEN

#### SERIES FILTERS: The \$ensible Filter System!

Build a single filter system that's compatible with most of your lenses, regardless of filter size.camera system or format! Here's how....

First, determine the range of filter sizes required by your lenses. Next, study the range of adapters available in Series 7, 8

and 9 (listed below) and choose the one that encompasses all, or most of your lenses (e.g. if your lenses' take 52mm 58mm and 67mm filters, you would choose Series 8). Buy a Series Adapter for each lens, and only one set of Series drop-in filters for them all. Call for adapter sizes not listed. Step-Up, and Step-Down Adapter Rings allow you to adapt one set of same-size filters to lenses with different sizes of front diameters. Here's how....

First, determine which of your lenses has the largest filter size, and purchase filters in that size. Next, buy a Step-Up Ring for *each* of your other (smaller-size)

lenses that adapts to these filters. Note: Step-Up Rings list lens' thread size first and filter thread size second (e.g. a 52 to 67 Step-Up Ring screws into a lens with a 52mm threaded front diameter (Ø), and receives any 67mm threaded filter). Step-Down Rings are generally not recommended because the smaller filter on a larger lens may cause vignetting.

#### **Tiffen Series 7 Adapters**

40.5F7	TF04097	\$15.49
49M7	TF04977	\$42.95
52M7	TF05277	\$15.49
58M7	TF05887	\$15.49
		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

#### **Tiffen Series 8 Adapters**

40.5 F8	TF04098	\$42.95
49M8	TF04978	\$16.95
52M8	TF05278	\$16.95
58M8	TF05888	\$16.95
62M8	TF06288	\$16.95
67M8	TF06778	\$16.95

#### **Tiffen Series 9 Adapters**

67M9	TF06779	\$59.95
72M9	TF07289	\$59.95
86C-9	TF08689	\$59.95

#### Tiffen Adapter Rings for Hasselblad CF Lenses

Hasselblad's CF Lenses require a 'Series 60' filter size and offer a limited selection of filters for this series. By using the Tiffen 'Series 60' adapter ring, Tiffen's complete line of series 8 and 67mm filters can be used on these new lenses. (Many older style Hasselblad C Lenses can be adapted to accept Tiffen Filters by using 57 Bay Adapters.)

60 Bay-Series 8	
TF06088	\$42.95

60 Bay-67mm	
TF16067	\$26.49
57 Bay-Series 7	

TF05787.....\$42.95

57 Bay-Series 8 **TF05788......\$16.95** 

Tiffen Step-Up Rings

49 to 58         TF14958         \$7.95           49 to 62         TF14962         \$10.95           49 to 67         TF14967         \$16.49           49 to 72         TF14972         \$16.49           49 to 77         TF14977         \$16.49           49 to 77         TF14977         \$16.49           52 to 55         TF15255         \$7.93           52 to 57 Boy         TF15257         \$16.49           52 to 62         TF15262         \$10.93           52 to 67         TF15267         \$16.49           52 to 72         TF15272         \$16.49           52 to 77         TF15277         \$16.49           55 to 57 Boy         TF15557         \$16.49           55 to 62         TF15562         \$10.93           55 to 63         TF15562         \$10.93           55 to 67         TF15567         \$16.49           55 to 77         TF15577         \$16.49           58 to 67         TF15862         \$10.93           58 to 60         TF15867         \$16.49           58 to 77         TF15877         \$16.49           58 to 77         TF15877         \$16.49           58 to 77         TF15877	49 to 52	TF14952	\$7.95
49 to 62         TF14962         \$10.93           49 to 67         TF14967         \$16.49           49 to 72         TF14972         \$16.49           49 to 77         TF14977         \$16.49           52 to 55         TF15255         \$7.93           52 to 57 Bay         TF15257         \$16.49           52 to 62         TF15262         \$10.93           52 to 67         TF15267         \$16.49           52 to 72         TF15272         \$16.49           52 to 77         TF15277         \$16.49           55 to 57 Bay         TF15557         \$16.49           55 to 58         TF15558         \$7.93           55 to 62         TF15562         \$10.93           55 to 77         TF15572         \$16.49           55 to 72         TF15572         \$16.49           58 to 67         TF15862         \$10.93           58 to 60         TF15862         \$10.93           58 to 67         TF15877         \$16.49           58 to 77         TF15877         \$16.49           58 to 77         TF15877         \$16.49           62 to 67         TF16277         \$16.49           62 to 77         TF16277	49 to 55	TF14955	\$7.95
49 to 67         TF14967         \$16.49           49 to 72         TF14972         \$16.49           49 to 77         TF14977         \$16.49           52 to 55         TF15255         \$7.93           52 to 57 Bay         TF15257         \$16.49           52 to 58         TF15262         \$10.93           52 to 62         TF15262         \$10.93           52 to 72         TF15272         \$16.49           52 to 77         TF15277         \$16.49           55 to 57 Bay         TF15557         \$16.49           55 to 58         TF15558         \$7.93           55 to 62         TF15562         \$10.92           55 to 72         TF15572         \$16.49           55 to 72         TF15572         \$16.49           55 to 72         TF15572         \$16.49           58 to 62         TF15572         \$16.49           58 to 62         TF15862         \$10.92           58 to 63         TF15862         \$10.92           58 to 77         TF15872         \$16.49           58 to 72         TF15872         \$16.49           58 to 73         TF15877         \$16.49           50 to 72         TF16277	49 to 58	TF14958	\$7.95
49 to 72         TF14972         \$16.49           49 to 77         TF14977         \$16.49           52 to 55         TF15255         \$7.93           52 to 57 Bay         TF15257         \$16.49           52 to 58         TF15258         \$7.93           52 to 62         TF15262         \$10.93           52 to 72         TF15267         \$16.49           52 to 77         TF15272         \$16.49           55 to 57 Bay         TF15577         \$16.49           55 to 58         TF15558         \$7.92           55 to 62         TF15562         \$10.92           55 to 72         TF15572         \$16.49           55 to 72         TF15572         \$16.49           55 to 72         TF15572         \$16.49           58 to 62         TF15577         \$16.49           58 to 62         TF15862         \$10.92           58 to 67         TF15877         \$16.49           58 to 77         TF15872         \$16.49           58 to 77         TF15877         \$16.49           62 to 67         TF16277         \$16.49           62 to 77         TF16277         \$16.49           62 to 77         TF16277	49 to 62	TF14962	\$10.95
49 to 77	49 to 67	TF14967	\$16.49
52 to 55         TF15255         \$7.93           52 to 57 Bay         TF15257         \$16.49           52 to 58         TF15258         \$7.93           52 to 62         TF15262         \$10.93           52 to 67         TF15267         \$16.49           52 to 72         TF15272         \$16.49           52 to 77         TF15277         \$16.49           55 to 57 Bay         TF15557         \$16.49           55 to 58         TF15558         \$7.93           55 to 62         TF15562         \$10.93           55 to 67         TF15567         \$16.49           55 to 72         TF15577         \$16.49           55 to 77         TF15577         \$16.49           58 to 60         TF15862         \$10.93           58 to 67         TF15867         \$16.49           58 to 72         TF15872         \$16.49           58 to 72         TF15872         \$16.49           58 to 73         TF15877         \$16.49           62 to 72         TF16277         \$16.49           62 to 72         TF16277         \$16.49           62 to 77         TF16277         \$16.49           67 to 77         TF16772	49 to 72	TF14972	\$16.49
52 to 57 Bay         TF15257         \$16.49           52 to 58         TF15258         \$7.93           52 to 62         TF15262         \$10.93           52 to 67         TF15267         \$16.49           52 to 72         TF15272         \$16.49           52 to 77         TF15277         \$16.49           55 to 57 Bay         TF15557         \$16.49           55 to 58         TF15562         \$10.92           55 to 62         TF15562         \$10.92           55 to 67         TF15567         \$16.49           55 to 72         TF15572         \$16.49           58 to 60         TF15577         \$16.49           58 to 62         TF15862         \$10.92           58 to 63         TF15867         \$16.49           58 to 77         TF15872         \$16.49           58 to 70         TF15877         \$16.49           62 to 67         TF16267         \$16.49           62 to 72         TF16272         \$16.49           62 to 77         TF16277         \$16.49           67 to 72         TF16772         \$16.49           67 to 77         TF16777         \$16.49           67 to 77         TF16777	49 to 77	TF14977	\$16.49
52 to 58         TF15258         \$7.93           52 to 62         TF15262         \$10.93           52 to 67         TF15267         \$16.49           52 to 72         TF15272         \$16.49           52 to 77         TF15277         \$16.49           55 to 57 Bay         TF15557         \$16.49           55 to 58         TF15558         \$7.93           55 to 62         TF15562         \$10.93           55 to 72         TF15572         \$16.49           55 to 77         TF15577         \$16.49           58 to 62         TF15862         \$10.93           58 to 63         TF15867         \$16.49           58 to 77         TF15877         \$16.49           58 to 70         TF15872         \$16.49           62 to 67         TF15877         \$16.49           62 to 67         TF16267         \$16.49           62 to 77         TF16277         \$16.49           62 to 77         TF16277         \$16.49           67 to 72         TF16772         \$16.49           67 to 77         TF16777         \$16.49           67 to 77         TF16777         \$16.49           67 to 77         TF16777	52 to 55	TF15255	\$7.95
52 to 62         TF15262         \$10.93           52 to 67         TF15267         \$16.45           52 to 72         TF15272         \$16.45           52 to 77         TF15277         \$16.45           55 to 57 Bay         TF15557         \$16.45           55 to 58         TF15558         \$7.93           55 to 62         TF15562         \$10.92           55 to 72         TF15572         \$16.49           55 to 72         TF15577         \$16.49           58 to 62         TF15862         \$10.92           58 to 62         TF15862         \$10.92           58 to 77         TF15877         \$16.49           58 to 72         TF15872         \$16.49           58 to 77         TF15877         \$16.49           62 to 67         TF16267         \$16.49           62 to 72         TF16272         \$16.49           62 to 77         TF16277         \$16.49           67 to 72         TF16772         \$16.49           67 to 77         TF16777	52 to 57 Bay	TF15257	\$16.49
52 to 67         TF15267         \$16.49           52 to 72         TF15272         \$16.49           52 to 77         TF15277         \$16.49           55 to 57 Boy         TF15557         \$16.49           55 to 58         TF15558         \$7.92           55 to 62         TF15562         \$10.92           55 to 67         TF15567         \$16.49           55 to 72         TF15572         \$16.49           55 to 77         TF15577         \$16.49           58 to 62         TF15862         \$10.92           58 to 67         TF15867         \$16.49           58 to 77         TF15872         \$16.49           58 to 72         TF15872         \$16.49           58 to 77         TF16267         \$16.49           62 to 67         TF16272         \$16.49           62 to 72         TF16272         \$16.49           67 to 72         TF16772         \$16.49           67 to 77         TF16777         \$16.49           72 to 77         TF16777         \$16.49           Series 5 to 6         TF19596         \$16.49           Series 5 to 6         TF19697         \$16.49           Series 7 to 8         TF197	52 to 58	TF15258	\$7.95
52 to 72         TF15272         \$16.49           52 to 77         TF15277         \$16.49           55 to 57 Bay         TF15557         \$16.49           55 to 58         TF15558         \$7.99           55 to 62         TF15562         \$10.92           55 to 67         TF15567         \$16.49           55 to 72         TF15572         \$16.49           55 to 77         TF15577         \$16.49           58 to 62         TF15862         \$10.92           58 to 67         TF15867         \$16.49           58 to 72         TF15872         \$16.49           58 to 72         TF15872         \$16.49           62 to 67         TF16267         \$16.49           62 to 72         TF16272         \$16.49           62 to 72         TF16272         \$16.49           67 to 72         TF16772         \$16.49           67 to 77         TF16777         \$16.49           72 to 77         TF17277         \$16.49           Series 5 to 6         TF19596         \$16.49           Series 6 to 7         TF19697         \$16.49           Series 7 to 8         TF19798         \$16.49	52 to 62	TF15262	\$10.95
52 to 77         TF15277         \$16.49           55 to 57 Bay         TF15557         \$16.49           55 to 58         TF15558         \$7.99           55 to 62         TF15562         \$10.99           55 to 67         TF15567         \$16.49           55 to 72         TF15572         \$16.49           55 to 77         TF15577         \$16.49           58 to 62         TF15862         \$10.99           58 to 67         TF15867         \$16.49           58 to 72         TF15872         \$16.49           58 to 72         TF15877         \$16.49           62 to 67         TF16267         \$16.49           62 to 72         TF16272         \$16.49           62 to 72         TF16277         \$16.49           67 to 77         TF16772         \$16.49           67 to 77         TF16777         \$16.49           67 to 77         TF16777         \$16.49           Series 5 to 6         TF19596         \$16.49           Series 6 to 7         TF19697         \$16.49           Series 7 to 8         TF19798         \$16.49	52 to 67	TF15267	\$16.49
55 to 57 Boy         TF15557         \$16.49           55 to 58         TF15558         \$7.92           55 to 62         TF15562         \$10.92           55 to 67         TF15567         \$16.49           55 to 72         TF15572         \$16.49           55 to 77         TF15577         \$16.49           58 to 62         TF15862         \$10.92           58 to 67         TF15867         \$16.49           58 to 72         TF15872         \$16.49           58 to 77         TF15877         \$16.49           62 to 67         TF16267         \$16.49           62 to 72         TF16272         \$16.49           62 to 77         TF16277         \$16.49           67 to 72         TF16772         \$16.49           67 to 77         TF16777         \$16.49           5eries 5 to 6         TF19596         \$16.49           5eries 6 to 7         TF19697         \$16.49           5eries 7 to 8         TF19798         \$16.49	52 to 72	TF15272	\$16.49
55 to 58         TF15558         \$7.93           55 to 62         TF15562         \$10.93           55 to 67         TF15567         \$16.49           55 to 72         TF15572         \$16.49           55 to 77         TF15577         \$16.49           58 to 62         TF15862         \$10.93           58 to 67         TF15867         \$16.49           58 to 72         TF15872         \$16.49           58 to 77         TF15877         \$16.49           62 to 67         TF16267         \$16.49           62 to 72         TF16272         \$16.49           62 to 77         TF16277         \$16.49           67 to 72         TF16772         \$16.49           67 to 77         TF16777         \$16.49           5eries 5 to 6         TF19596         \$16.49           5eries 6 to 7         TF19697         \$16.49           5eries 7 to 8         TF19798         \$16.49	52 to 77	TF15277	\$16.49
55 to 62         TF15562         \$10.92           55 to 67         TF15567         \$16.49           55 to 72         TF15572         \$16.49           55 to 77         TF15577         \$16.49           58 to 62         TF15862         \$10.92           58 to 67         TF15867         \$16.49           58 to 72         TF15872         \$16.49           58 to 77         TF15877         \$16.49           62 to 67         TF16267         \$16.49           62 to 72         TF16272         \$16.49           62 to 77         TF16277         \$16.49           67 to 72         TF16772         \$16.49           67 to 77         TF16777         \$16.49           72 to 77         TF16777         \$16.49           Series 5 to 6         TF19596         \$16.49           Series 6 to 7         TF19697         \$16.49           Series 7 to 8         TF19798         \$16.49	55 to 57 Bay	TF15557	\$16.49
55 to 67         TF15567         \$16.49           55 to 72         TF15572         \$16.49           55 to 77         TF15577         \$16.49           58 to 62         TF15862         \$10.92           58 to 67         TF15867         \$16.49           58 to 72         TF15872         \$16.49           58 to 77         TF15877         \$16.49           62 to 67         TF16267         \$16.49           62 to 72         TF16272         \$16.49           62 to 77         TF16277         \$16.49           67 to 72         TF16772         \$16.49           67 to 77         TF16777         \$16.49           72 to 77         TF16777         \$16.49           Series 5 to 6         TF19596         \$16.49           Series 6 to 7         TF19697         \$16.49           Series 7 to 8         TF19798         \$16.49	55 to 58	TF15558	\$7.95
55 to 72         TF15572         \$16.49           55 to 77         TF15577         \$16.49           58 to 62         TF15862         \$10.92           58 to 67         TF15867         \$16.49           58 to 72         TF15872         \$16.49           58 to 77         TF15877         \$16.49           62 to 67         TF16267         \$16.49           62 to 72         TF16272         \$16.49           62 to 77         TF16277         \$16.49           67 to 72         TF16772         \$16.49           67 to 77         TF16777         \$16.49           Series 5 to 6         TF19596         \$16.49           Series 5 to 7         TF19697         \$16.49           Series 7 to 8         TF19798         \$16.49	55 to 62	TF15562	\$10.95
55 to 77         TF15577         \$16.49           58 to 62         TF15862         \$10.92           58 to 67         TF15867         \$16.49           58 to 72         TF15872         \$16.49           58 to 77         TF15877         \$16.49           62 to 67         TF16267         \$16.49           62 to 72         TF16272         \$16.49           62 to 77         TF16277         \$16.49           67 to 72         TF16772         \$16.49           67 to 77         TF16777         \$16.49           Series 5 to 6         TF19596         \$16.49           Series 6 to 7         TF19697         \$16.49           Series 7 to 8         TF19798         \$16.49	55 to 67	TF15567	\$16.49
58 to 62         TF15862         \$10.93           58 to 67         TF15867         \$16.49           58 to 72         TF15872         \$16.49           58 to 77         TF15877         \$16.49           62 to 67         TF16267         \$16.49           62 to 72         TF16272         \$16.49           62 to 77         TF16277         \$16.49           67 to 72         TF16772         \$16.49           67 to 77         TF16777         \$16.49           72 to 77         TF17277         \$16.49           Series 5 to 6         TF19596         \$16.49           Series 6 to 7         TF19697         \$16.49           Series 7 to 8         TF19798         \$16.49	55 to 72	TF15572	\$16.49
58 to 67         TF15867         \$16.49           58 to 72         TF15872         \$16.49           58 to 77         TF15877         \$16.49           62 to 67         TF16267         \$16.49           62 to 72         TF16272         \$16.49           62 to 77         TF16277         \$16.49           67 to 72         TF16772         \$16.49           67 to 77         TF16777         \$16.49           67 to 77         TF16777         \$16.49           Series 5 to 6         TF19596         \$16.49           Series 6 to 7         TF19697         \$16.49           Series 7 to 8         TF19798         \$16.49	55 to 77	TF15577	\$16.49
58 to 72	58 to 62	TF15862	\$10.95
58 to 77	58 to 67	TF15867	\$16.49
62 to 67	58 to 72	TF15872	\$16.49
62 to 72	58 to 77	TF15877	\$16.49
62 to 77	62 to 67	TF16267	\$16.49
67 to 72	62 to 72	TF16272	\$16.49
67 to 77	62 to 77	TF16277	\$16.49
72 to 77	67 to 72	TF16772	\$16.49
Series 5 to 6         TF19596         \$16.4           Series 6 to 7         TF19697         \$16.4           Series 7 to 8         TF19798         \$16.4	67 to 77	TF16777	\$16.49
Series 6 to 7         TF19697         \$16.49           Series 7 to 8         TF19798         \$16.49	72 to 77	TF17277	\$16.49
Series 7 to 8 <b>TF19798</b> \$16.49	Series 5 to 6	TF19596	\$16.4
	Series 6 to 7	TF19697	\$16.4
Series 8 to 9 <b>TF19899</b> \$16.49	Series 7 to 8	TF19798	\$16.49
	Series 8 to 9	TF19899	\$16.4

#### **Tiffen Step Down Rings**

TF25249	\$7.95
TF25752	\$15.95
TF25755	\$15.95
TF25852	\$7.95
TF25855	\$7.95
	TF25752 TF25755 TF25852

*For Series 50 Hasselblad Lenses.

#### Tiffen Standard Rubber Shade

49mm	TF00049	\$5.95
52mm	TF00052	\$5.95
55mm	TF00055	\$5.95
58mm	TF00058	\$6.95
62mm	TF00062	\$6.95
67mm	TF00067	\$6.95
72mm	TF00072	\$8.95
77mm	TF00077	\$8.95
Series 9	TF00099	\$49.95

#### Tiffen Wide Angle Rubber Shade

49mm	TF00149	\$8.95
52mm	TF00152	\$8.95
55mm	TF00155	\$8.95
58mm	TF00158	\$8.95
62mm	TF00162	\$8.95
67mm	TF00167	\$8.95
72mm	TF00172	\$11.95
77mm	TF00177	\$11.95

#### Tiffen Metal Lens Shades

49mm	TF00249	\$9.95
52mm	TF00252	\$9.95
55mm	TF00255	\$9.95
58mm	TF00258	\$9.95
62mm	TF00262	\$11.95
67mm	TF00267	\$11.95
72mm	TF00272	\$15.95
77mm	TF00277	\$15.95
Series 9	TF00299	\$49.95

# CALUMET MIS A FULL-LINE DEALER S

#### Filters for Larger Than Series 9

Many filters for large format lenses and other format lenses are oversized and larger than Series 9. Tiffen makes a tremendous number of filters in Series 4½". 138mm, 3" x 3", and 4" x 4" sizes. Filter selection ranges from all standard black and white film filters to a full assortment of warming and cooling filters for color films and includes a complete range of special effect filters such as split-field, diffusion, fog effect, vari-color, multi-image, softnet diffusion, and star filters.

These filters require adapter rings, which are available in a wide variety of sizes, from 86mm to 122mm. Most of these "oversized" filters are available through Calumet. Call 1-800-CALUMET.



#### **Domke Filter Files**

Find the filter you want fast! Features clear, safe Mylar pockets with silver linings to show filter colors. Measures 5½" x 12".

#### 13-Pocket Filter File

Includes six 3½" sq. pockets, six "credit card" style gel pockets and one 3½" x 11" pocket for lens tissue. Black canvas cover.

DK4000......\$25.09

#### 9-Pocket Filter File

Features nine 3½" square pockets. Navy canvas cover. **DK4010......\$24.49** 

Prices are subject to change.

### B + W F I L T E R S

#### **Filters Worthy of the Finest Lenses**

B + W filters are manufactured in the style of the best optical lenses. Each filter is cut from raw cylinders of pure Schott/Mainz optical glass, the same glass used by the world's top lens manufacturers. The filter mounts are made of black anodized, solid brass. These high quality components combined with B + W's modern production technology and rigorous quality control, produce the flattest possible filters. This precision flatness (plano-parallelism) and B + W's high quality anti-reflection coating, which is applied to both sides of the filter, minimizes the possibility of image deterioration due to flare.

B + W Filters are not inexpensive, but neither were your lenses. If you want the best possible results from your investment in lenses, consider the B + W difference.



B + W filters may be assorted to qualify.

	39mm	49mm	52mm	55mm	58mm	62mm	67mm	72mm	77mm	82mm	Series 60
	\$35.99	\$19.99	\$19.99	\$24.99	\$27.99	\$31.99	\$39.99	\$54.99	\$60.99	\$95.99	\$101.99
UV 010	BX39005	BX49005	BX52005	BX55005	BX58005	BX62005	BX67005	BX72005	BX77005	BX82005	BX60005
Sky KR1.5	BX39015	BX49015	BX52015	BX55015	BX58015	BX62015	BX67015	BX72015	BX77015	BX82015	DVOOOO
81C KR3	BX39110	BX49110	BX52110	BX55110	BX58110	BX62110	BX67110	BX72110	BX77110	BX82110	
81EF KR6	BX39113	BX49113	BX52113	BX55113	BX58113	BX62113	BX67113	BX72113	BX77113	BX82113	BX60113
85 KR12	BX39116	BX49116	BX52116	BX55116	BX58116	BX62116	BX67116	BX72116	BX77116	BX82116	BX60116
85B KR15	BX39120	BX49120	BX52120	BX55120	BX58120	BX62120	BX67120	BX72120	BX77110	BX82120	BX60120
82A KB1.5	BX39124	BX49124	BX52124	BX55124	BX58124	BX62124	BX67124	BX72124	BX77124	BX82124	DAOOTZO
82C KB3	BX39128	BX49128	BX52128	BX55128	BX58128	BX62128	BX67128	BX72128	BX77128	BX82128	7 7 72
80A KB15	BX39132	BX49132	BX52132	BX55132	BX58132	BX62132	BX67132	BX72132	BX77132	BX82132	BX60132
80B KB12	BX39136	BX49136	BX52136	BX55136	BX58136	BX62136	BX67136	BX72136	BX77136	BX82136	BX60136
80CD KB6	BX39140	BX49140	BX52140	BX55140	BX58140	BX62140	BX67140	BX72140	BX77140	BX82140	BX60140
Lt. Yellow 3-021	BX39210	BX49210	BX52210	BX55210	BX58210	BX62210	BX67210	BX72210	BX77210	BX82210	DAOOTTO
Med. Yellow 8-022	BX39215	BX49215	BX52215	BX55215	BX58215	BX62215	BX67215	BX72215	BX77215	BX82215	
Drk. Yellow 9-023	BX39220	BX49220	BX52220	BX55220	BX58220	BX62220	BX67220	BX72220	BX77220	BX82220	BX60220
Yell. Orng. 16-040	BX39230	BX49230	BX52230	BX55230	BX58230	BX62230	BX67230	BX72230	BX77230	BX82230	DAGGEEG
Red/Orng. 22-041	BX39240	BX49240	BX52240	BX55240	BX58240	BX62240	BX67240	BX72240	BX77240	BX82240	BX60240
Yell./Grn. 11-060	BX39250	BX49250	BX52250	BX55250	BX58250	BX62250	BX67250	BX72250	BX77250	BX82250	BX60250
Lt. Red 24/090	BX39260	BX49260	BX52260	BX55260	BX58260	BX62260	BX67260	BX72260	BX77260	BX82260	DAGGESG
N.D. 2X-101	BX39320	BX49320	BX52320	BX55320	BX58320	BX62320	BX67320	BX72320	BX77320	BX82320	BX60320
N.D. 4X-102	BX39323	BX49323	BX52323	BX55323	BX58323	BX62323	BX67323	BX72323	BX77323	BX82323	BX60323
N.D. 8X-103	BX39326	BX49326	BX52326	BX55326	BX58326	BX62326	BX67326	BX72326	BX77326	BX82326	BX60326
	\$35.99	\$19.99	\$19.99	\$24.99	\$27.99	\$31.99	\$39.99	\$54.99	\$60.99	\$273.99	\$125.99
81A	BX39150	BX49150	BX52150	BX55150	BX58150	BX62150	BX67150	BX72150	BX77150	BX82150	BX60150
81B	BX39152	BX49152	BX52150	BX55150	BX58152	BX62152	BX67152	BX72152	BX77150	BX82152	BX60150
	\$37.5	£47.00	£40.00	654.00	AF0.00	518	3062131	and decided	3,72417574		t insertiez
Linear Polarizer		\$47.99	\$49.99	\$54.99	\$59.99	\$67.99	\$76.99	\$93.99	\$101.99	\$151.99	NAZ ESBADA
Linear Polarizer		BX49053	BX52053	BX55053	BX58053	BX62053	BX67053	BX72053	BX77053	BX82053	ar v.A. si
	\$95.99	\$91.99	\$95.99	\$106.99	\$108.99	\$115.99	\$142.99	\$156.99	\$178.99	gan ratesb	\$368.99
Cir. Polarizer	BX39055	BX49055	BX52055	BX55055	BX58055	BX62055	BX67055	BX72055	BX77055	constant	BX60055
		\$42.99	\$47.99	\$47.99	\$50.99	\$54.99	\$66.99	\$76.99	\$83.99	\$147.99	aeth an
Cross Scrn. 4		BX49380	BX52380	BX55380	BX58380	BX62380	BX67380	BX72380	BX77380	BX82380	
Cross Scrn. 6		BX49382	BX52382	BX55382	BX58382	BX62382	BX67382	BX72382	BX77382	BX82382	**********
Cross Scrn. 8		BX49384	BX52384	BX55384	BX58384	BX62384	BX67384	BX72384	BX77384	BX82384	The Street
and it	-	\$30.99	\$35.99	\$37.99	\$44.99	\$54.99	\$59.99	\$64.99	\$76.99	X Sa	more well
Fog		BX49442	BX52442	BX55442	BX58442	BX62442	BX67442	BX72442	BX77442		
abortoning and to		£00.00	£00.00	607.00	440.00	Ara 00	454.00	A=1.00	400.00		n.Da. rail
Soft Image		<b>\$28.99</b> BX49460	<b>\$30.99</b> BX52460	<b>\$35.99</b> BX55460	<b>\$40.99</b> BX58460	\$50.99 BX62460	\$54.99 BX67460	<b>\$76.99</b> BX72460	<b>\$83.99</b> BX77460		
on mag					31	BN02 100	DAOT 100	DN/ 2100	DX77400	1 1 85	ang Seni
TID /400		\$42.99	\$52.99	\$47.99	\$50.99	\$57.99	\$57.99	\$79.99	\$96.99	\$134.99	187.90
FLD/499		BX49510	BX52510	BX55510	BX58510	BX62510	BX67510	BX72510	BX77510	BX82510	1940 V 1945
	H X Y Y	\$47.99	\$52.99	\$57.99	\$64.99	\$64.99	\$79.99	\$90.99	\$103.99	witz a charles and	1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +
Double Sunny		BX49595	BX52595	BX55595	BX58595	BX62595	BX67595	BX72595	BX77595	1	1.
	\$37.99	\$23.99	\$23.99	\$28.99	\$35.99	\$37.99	\$54.99	\$67.99	\$76.99	\$125.99	
Soft Focus 1-WZ1	BX39450	BX49450	BX52450	BX55450	BX58450	BX62450	BX67450	BX72450	BX77450	BX82450	
Soft Focus 2-WZ2	BX39454	BX49454	BX52454	BX55454	BX58454	BX62454	BX67454	BX72454	BX77454	BX82454	

#### KODAK GELATIN FILTERS



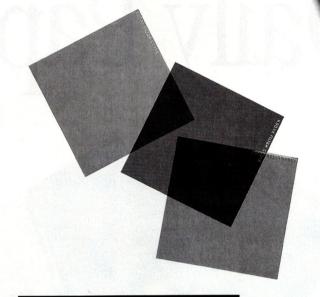




KF3325

KF3326

CC50B



#### **Neutral Density**

	3 x 3" \$25.99	4 x 4" \$46.79
96 ND 0.10	KF1701	KF1702
96 ND 0.20	KF1705	KF1706
96 ND 0.30 1 Stop	KF1709	KF1710
96 ND 0.40	KF1713	KF1714
96 ND 0.50	KF1717	KF1718
96 ND 0.60 2 Stop	KF1721	KF1722
96 ND 0.70	KF1725	KF1726
96 ND 0.80	KF1729	KF1730
96 ND 0.90 3 Stop	KF1734	KF1735
96 ND 1.00	KF1739	KF1740
96 ND 2.00	KF1743	KF1744
96 ND 3.00 10 Stop	KF1747	KF1748
96 ND 4.00	KF1751	KF1752

#### **Color Conversion**

The state of the state of	3 x 3" \$14.89	4 x 4" \$23.39
82 Cooling +100K	KF1499	KF1500
82A Cooling +200K	KF1503	KF1504
82B Cooling +300K	KF1507	KF1508
82C Cooling +400K	KF1511	KF1512
85 5500 to 3400K	KF1515	KF1516
85B 5500 to 3200K	KF1531	KF1532
85C 5500 to 3800K	KF1543	KF1544
80A 3200 to 5500K	KF1459	KF1460
80B 3400 to 5500K	KF1463	KF1464
80C 3800 to 5500K	KF1467	KF1468
80D 4200 to 5500K	KF1471	KF1472
81 Warming—100K	KF1474	KF1475
81A Warming—200K	KF1480	KF1481
81B Warming-300K	KF1483	KF1484
81C Warming—400K	KF1487	KF1488
81D Warming—500K	KF1491	KF1492
81EF Warming—650K	KF1495	KF1496

#### Filters for B&W Film

3 x 3" \$14.89	4 x 4" \$23.39
KF1111	KF1112
KF1115	KF1116
KF1123	KF1124
KF1167	KF1168
KF1179	KF1180
KF1183	KF1184
KF1191	KF1192
KF1195	KF1196
KF1206	KF1207
KF1218	KF1219
KF1226	KF1227
KF1315	KF1316
KF1379	KF1380
KF1587	KF1588
\$29.69	\$53.59
KF1151	KF1152
KF1175	KF1176
KF1202	KF1203
KF1222	KF1223
KF1321	KF1322
KF1394	KF1395
KF1259	KF1260
KF1271	KF1272
KF1287	KF1288
KF1295	KF1296
KF1563	KF1564
d) KF1299	KF1300
KF1317	KF1318
KF1575	KF1576
	\$14.89 KF1111 KF1115 KF1123 KF1167 KF1183 KF1191 KF1195 KF1206 KF1218 KF1226 KF1315 KF1379 KF1587 \$29.69 KF1151 KF1175 KF1202 KF1222 KF1321 KF1321 KF1321 KF1259 KF1259 KF1271 KF1287 KF1287 KF1295 KF1563 d) KF1299 KF1317

Please Note: Returns on gelatin filters will not be accepted once the seal is broken or the package is opened.

# Your Daily Paper.



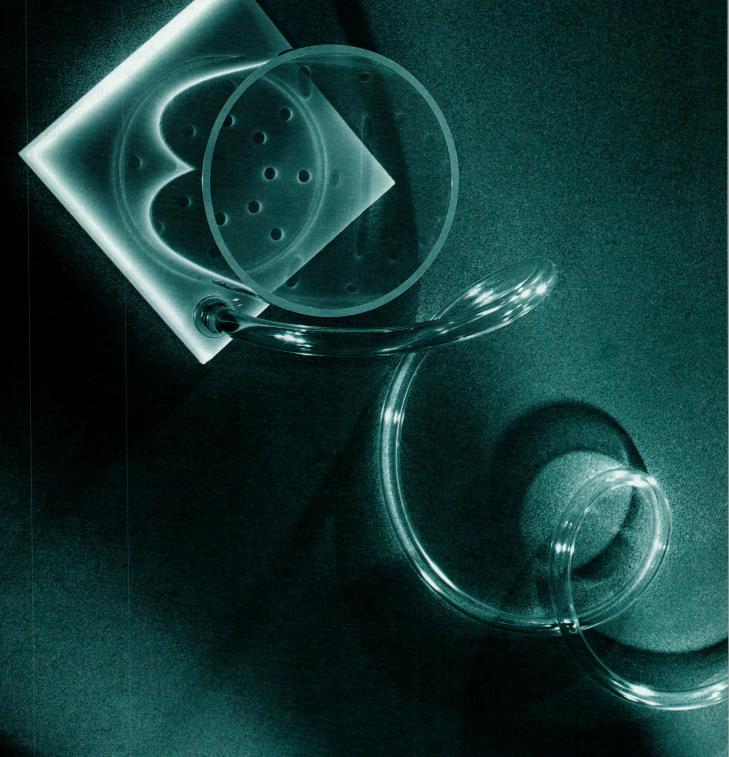
Calumet delivers reams of printing papers and processing chemistry from Agfa, Edwal, Fuji, Ilford, Jobo, Kodak, Luminos, Nacco, Oriental, Rockland, Zone VI, and more. We guarantee in-stock availability on all items listed in our *Essentials Catalog*, same-day shipment on all orders received before 4:00 p.m. (C.T.) and next-day delivery for a nominal upgrade charge of only \$10.95. For a copy of our 64-page *Essentials Catalog*, call 1-800-CALUMET (1-800-225-8638) or stop by the Calumet location nearest you.



You'll find it here.

Calumet Essentials Catalog!

Darkroom





Manufacturer's

Lifetime

#### **Zone VI Enlarger**

Finest Working Tool of Its Kind!

#### The Heads

Zone VI has developed three cold lights for this enlarger: a 5x7 and an 8x10 Deluxe Cold Light Head, primarily designed for graded papers, and a 5x7 Variable Contrast Head. Both 5x7 models feature oversized rectangular light grids for extremely even illumination on 4x5 and are usable on 5x7. The 8x10 Deluxe Head is oversized and designed for quick and easy installation.

The Variable Contrast Head features two-grids, each of a different color and each with its own rheostat control. Contrast is controlled by adjusting the rheostats, which changes the intensity of the "filtered" lights. This system gives you the ability to adjust the high and low values independently to look their best within any given context. Infinite contrast control!

Each head features a remote housing for electronic components to avoid vibration.

#### The Chassis

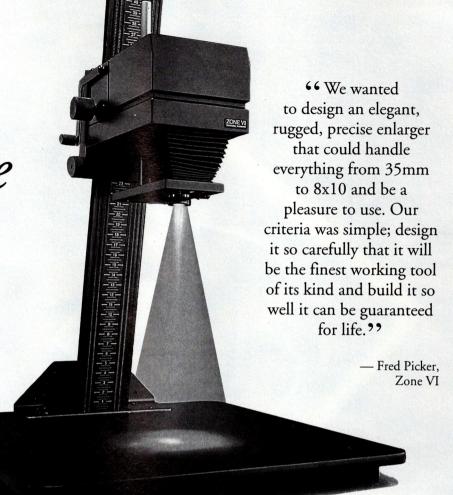
Each custom extruded column is welded to a massive L-shaped aluminum bracket for maximum surface contact, whether it's affixed to the heavy-duty, resin-impregnated baseboard or used with the wallmount kit. Both the negative and lens stages feature three-point levelling control for precise and easy alignment.

#### Controls, Carriers, Etc.

Zone VI's counterweighted, gravity-powered head elevation system is more consistent than spring-tension systems and faster than a motor driven system. Counterweights can be added to maintain perfect balance for heavier heads.

All knobs are oversized and easy to grip. Focusing gears are spring-loaded and self-adjusting for precision movement without backlash. An optional motorized focusing control offers adjustable speeds and easier focusing when making large prints.

Glassless negative carriers for 35mm through 8x10 feature openings large enough to print an entire image. Black inside edges reduce flare and oversized dimensions are easy to handle.



Zone VI 5x7 Enlarger with	n 47" column*
Requires baseboard or wal	llmount kit, lens,
lensboard, negative carrier	and light source.
EN5447	
Zone VI 5x7 Enlarger with	

Requires baseboard or wallmount kit, lens, lensboard, negative carrier and light source. EN5463.....\$1150.00

Baseboard Kit **EN5420.....\$89.00**Wallmount Kit

EN5421.....\$29.00 Zone VI Light Heads for 5x7 Enlarger*

Deluxe 5x7 Cold Light Head
EN5505.....\$395.00
Deluxe 8x10 Cold Light Head with Carrier

EN5557.....\$895.00 Head Adapters and Accessories

Adapt 4x5 Omega or Beseler color heads to the Zone VI enlarger with these kits.

Beseler Head Adapter
EN5512....\$50.00

Omega Head Adapter
EN5511.....\$50.00
Motorized Focus Control

EN5433.....\$295.00

Head (mounts below the lens) EN5438.....\$19.00 Variable Contrast Filters (6) for Deluxe Head EN5416.....\$59.00 Lensboards Drilled for 39mm mount diameter lenses EN5451.....\$29.00 Drilled for 42mm mount diameter lenses EN5452.....\$29.00 Drilled for 50mm mount diameter lenses EN5453.....\$29.00 Undrilled Lensboard EN5450.....\$29.00 **Negative Carriers** For 35mm FF (25x37mm) EN5436.....\$49.00 EN5464.....\$49.00 For 6x4.5cm For 6x6cm EN5466.....\$49.00 EN5467 .....\$49.00 For 6x7cm For 6x9cm EN5469.....\$49.00 For 4" x 5" EN5445 .....\$49.00 For 5" x 7" EN5457 .....\$49.00

Variable Contrast Filter Holder for Deluxe

^{*} Height measurement includes baseboard.



#### ZONE VI

#### **Compensating Enlarging Timer**

Monitors the lamp's brightness and automatically adjusts exposure time to compensate for fluctuations or drifting. This method of compensation is ideal for cold light heads, regardless of size, plus color heads, incandescent heads or any other head. A built-in 3-digit timer, adjustable from 0.1 to 99.9 seconds, includes a metronome for precise dodging and burning control and a "drydown" control, which compensates for wet-to-dry print darkening effects. Lifetime guarantee.

ZN5615 \$395.00

#### Photocell L702

Modifies enlarger lamphouses for Zone VI Compensating Timer. Requires assembly. **ZN5510.....\$55.00** 

#### CP40Y Filter (6" x 6")

Recommended with blue cold light sources when using variable contrast papers.

KF5400......\$12.99

#### **Cold Light Heads**

Zone VI Cold Lights feature high intensity illumination for reduced exposure times; 10,000-hour lamp life; color temperature suited for graded papers; and a built-in photo cell to interface with the Compensating Enlarging Timer which monitors lamp fluctuations. Lifetime guarantee.

For Beseler 23C	
ZN5500	\$195.00
For Omega D2, D3 and D5	
ZN5501	\$195.00
For Beseler 4x5 MX series and	
ZN5502	\$199.00

#### **Metrolux Lamp Controller**

Advanced darkroom timer with the unique capability of compensating for light source instabilities. Ideal for use with Aristo and Zone VI Cold Lights. See page 166 for more information.

#### ARISTO



# Cold Light Heads and Adapters

**D-2** 

Fits Omega D-series enlargers with condenser collar and Beseler 4x5 enlargers with adapter. D-2 Cold Light for Graded Papers

AI1000 \$\text{\$162.95}\$

D-2 Cold Light for Variable Contrast Papers

AI1003......\$162.95
D-2 Cold Light High Intensity for Graded Papers
AI1030.....\$189.95

Beseler 45M Series Adapter for D-2

AI1005.....\$23.09

Other Aristo lamps with different printing characteristics are available. Call for details.

#### Omega D5 Adapter collar for D-2

Round aluminum housing for Omega D-2/3/5 enlargers. Can be dedicated to Cold Light while keeping condensers in their original housing.

OA7570 .....\$49.99

#### BES 23-C

Fits Beseler 23C enlargers originally equipped with condensers. For use with graded papers.

AI1015.....\$175.95

#### R-22

Fits Omega B22 or B66 enlarger. For use with graded papers.

AI1010.....\$170.95

#### **Cold Light Accessories**

#### Aristo Contactor Model 1200

#### D 750 Dimmer

The 750 provides infinite control of intensity levels and features a secondary adjustment so users can select minimum light level.

AI3700.....\$88.79

#### THE COLD LIGHT ADVANTAGE

old light sources are the "preferred" enlarging lampheads by most serious black & white printers.
Distinguished by their fluorescent tube grid, Cold Lights offer these benefits in black and white printing:

- Reduced operating temperatures eliminate negative "pop" or buckling
- Long lamp life Up to 10,000 hrs
- Minimizes negative defects such as dust and scratches and improves tonal gradation, sharpness and resolution
- Produces prints as close to contact print quality as possible by eliminating the blocking of high values, or Callier Effect produced by condenser enlargers

#### **Aristo Variable Contrast Heads**

#### VCL 4500 Variable Contrast Light Head

Complete variable contrast control from grades 0 to 5, with 50 settings and no filters. Fits Beseler 4x5 and Omega D-series enlargers with optional adapter bracket. May be used with any enlarging timer.

AI1060.....\$877.95

#### VCL 8100 Variable Contrast Light Head

Full 8x10 negative coverage with contrast control from grades 0 to 5, 50 settings, and no filters. Fits Beseler 4x5 with 8x10 Beseler conversion. Use with any enlarging timer.

AI1080.....\$1849.00

#### CL4500 Light Head

With adjustable light intensity. Accepts 6x6cm above-the-lens filters. Fits Beseler and Omega 4x5 enlargers w/adapter bracket. AI1017......\$20.95

#### Omega D-series Adapter Bracket.

For CL and VCL heads.

AI1061.....\$32.00



#### **45MXT Chassis** with Baseboard

#### A 4x5 Classic!

This rugged motorized chassis, with reinforced triangular truss and twin girder construction, assures stability at all magnifications. Lens stage offers precise focus control with lock. Accepts all Beseler 45 System accessories and light sources, plus all professional formats up through 8 x 10. Includes 25" x 17" baseboard.

BS3043 (A).....\$819.95

#### 45M Wall Mount

Mounts 45M Series enlargers to wall with or without baseboard. BS3047.....\$109.95

#### **45V-XL Chassis** with Baseboard

#### Beseler's Ultimate Enlarger!

For faster operation and unprecedented versatility. Features vertical column for stationary image when changing magnification, and extension control shafts for elevation and focus that simplify adjustments at high magnifications. Accepts all 45 System accessories and light sources as well as most Omega D Series carriers, lens plates, and light sources. Includes 23¾" x 30" x 1½" baseboard. Shipping weight: 152 lbs.

BS3103 (B).....\$1239.00

45V-XL Wall/Table Mount BS3104.....\$126.95



#### **45 System Light Sources**



#### **Universal 45 Color System** For High-Volume Printing!

A closed-loop, simultaneous exposure additive system for producing quantities of identical prints. Features double diffusion, 3-lamp, 750w light source, timer, metronome, roll easel interface, and batch counter. Includes power supply and controller. BS3015.....\$1649.00

#### Universal 45 VC System

#### For Variable Contrast B&W!

Controls contrast grade 0 through 5 in .1 increments, with programs for Agfa, Kodak and Ilford multigrade papers. Conversion button from VC to graded papers and white light focusing. Includes power supply and controller. BS3020.....\$1749.00

35mm Mixing Chamber for Universal 45

BS3040.....\$193.95 6x7 Mixing Chamber

for Universal 45 BS3041.....\$193.95



#### **45A Light Source**

Closed loop, sequential exposure additive colorhead with automatic ring-around, B&W contrast control functions and voltage stabilizer.

BS3010.....\$2099.00

35mm Diffusion Chamber BS3115.....\$318.95

**Light Integrator** For integrated analyzer readings. BS3112.....\$17.29

Footswitch (with 6' cord.) BS3133.....\$39.39

#### Dichro 45S Color Head

High output 4x5 diffusion light source provides 0 - 200 variable C-M-Y filtration. Includes "paper-saver circuit," built-in voltage stabilizer and cooling fan. BS3128.....\$871.95 6x7cm Mixing Chamber for 45S BS3135.....\$206.95 35mm Mixing Chamber for 45S

BS3136.....\$206.95 Condenser Mixing Chamber

for 45S BS3140.....\$372.95



#### 810 Conversion Kit

Fits 45M or 45V Series enlargers. Accepts large format negatives up to 8" x 10". Features cold light source suitable for B&W and Color work and accepts 45A and 45 Condenser Light Sources, all 45 Series carriers and lens mounts. Includes light source, film stage, 8 x 10 glass and glassless carriers.

BS3192.....\$2009.00

#### **45 Condenser Light Source**

For any film size up to 4x5. Includes filter drawer and 150 watt lamp. BS3300.....\$358.95

160

#### **45 System Accessories**

Adjus-Table

For all 45M Series enlargers. With variable baseboard height control for prints up to 24" x 36". BS3050.....\$314.95

**Three-lens Turret** 

For convenient switching of most lenses from 35mm to 150mm. Some lenses may require lens mounting adapters.

BS3172.....\$223.95

**Lens Stage Conversion Kit** 

Permits Three-lens Turret (not included) to be mounted on older 45 Series enlargers prior to 45MXT. Offers finer focus control. BS3174.....\$213.95

#### **45 Series Rotating Negative Carriers**

35mm (24mm x 36mm) BS3210.....\$67.59

35mm FF (25mm x 37mm) BS3205.....\$67.59

35mm Mounted Slide BS3211.....\$67.59 6 x 4.5cm BS3235 .....\$67.59 BS3215 .....\$67.59 6 x 6cm 6 x 7cm BS3230 .....\$67.59

BS3220 .....\$67.59 6 x 9cm BS3225 .....\$67.59 4 x 5 4 x 5 w/Glass

BS3241.....\$85.39 4 x 5 Anti-Newton Glass

For BS3241 BS3244.....\$31.19

**Pin-Register Glass Carrier** 

This Anti-Newton Glass carrier is compatible with film registered by Wess VR multi-format punch. BS3238.....\$198.95

Beseler Negaflat

This 4x5 carrier safely stretches film and holds it flat without glass. For pack and sheet film. BS3260.....\$143.95

39mm Lensboard

For Beseler 45 Series DT5130 .....\$14.99

**45V System Controller** 

Controls speed and direction of elevation and focus. Requires Motor Modules.

BS3107.....\$190.95

**Elevation Motor Module** 

Requires 45V System Controller. BS3108.....\$280.95

**Focus Motor Module** 

Requires 45V System Controller. BS3109.....\$280.95

#### **General Accessories**

**Enlarger Lamps for Condenser Heads** 

23C & 67SC WIPH111..\$9.95 WI212 .....\$4.25

**Enlarger Lamps for Color Heads** 67SD and New 23C Dichro

WIESJ .....\$23.95

23C Dual Dichro S. 45S, and Universal 45

WIEVW.....\$17.95

45A Exposure Tube

BS3118.....\$26.29

45A Focus Tube

BS3119.....\$26.29

#### **Beseler Negatrans**

Transports a single frame or an entire roll with

the twist of a knob. For all Beseler



35mm Negatrans BS3251 .....\$122.95

6 x 6/6 x 7cm Negatrans BS3256 .....\$193.95

6 x 4.5 cm Adapter for 6 x 6/6 x 7cm Negatrans

BS2251 .....\$41.49



These easy to install flexible cables extend focus and elevation knobs to allow for control from a seated position. Makes critical focus at large magnifications easier. For use with Beseler 67 and 23C series enlargers.

BS7008.....\$81.29

**Bilateral Alignment Tool** 

This unique tool incorporates two highly accurate spirit levels which allow for the simultaneous measurement of both left to right and front to rear enlarger alignment. May be used with other enlargers, but fits directly in the lens stage of Beseler 23C and 45 series enlargers.

BS3460.....\$86.69

1 Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck, Freight Collect.



23CII-XI

Condense Enlarger

#### **67 Series Enlargers**

Economical for all formats up to 6 x 7cm. Twin-girder chassis with rack-and-pinion elevation.

**67XLC Condenser Enlarger** With below-the-lens filter holder.

BS7004 (C).....\$699.95 **67XLD** Dichro Enlarger

With 0-200 dial-in filtration. BS7001 (D) .....\$549.95

Dichro 67S Color Head Fits 67 XLC and 67SC. BS7005 .....\$275.95

Voltage Stabilizer

For 67XLD and 67S. BS7020 .....\$112.95

50mm Beslar Lens Kit

Includes lens, lensboard and 35mm carrier.

BS7025 .....\$91.09 **67 Series Negative Carriers** 

35mm (24mm x 36mm) BS6026 .....\$42.69

35mm FF (25mm x 37mm) BS6053 .....\$42.69

35mm Mounted Slide BS6024 .....\$42.69

6 x 4.5cm BS6054 .....\$42.69 BS6055 .....\$42.69 6 x 6cm

BS6056 .....\$42.69 6 x 7cm

#### 23 Series Enlargers

23CII-XL Dichro

shown with optional

lens, carrier and

lensboard.

Color Enlarger

For film sizes up to 6 x 9cm, the 23C-XL is equally proficient in the home darkroom and the pro lab. Rigid twin-girder construction prevents vibrations. Other features include rack-and-pinion elevation control and a tilting lens stage for distortion correction and special effects. Both models include baseboard.

23CII-XL Condenser Enlarger

Features oversize condensers with adjustable height control for optimum illumination with all formats.

BS2006 (E) .....\$439.95

23CII-XL Dichro Color Enlarger Features continuously variable

0-200cc dichroic Cyan, Magenta, and Yellow filtration. White light focusing lever.

BS2007 (F) .....\$559.95

**45A Mounting Kit** 

Adapts 45A Light Source to fit any 23C chassis. BS3182 .....\$139.95

50mm Beslar Lens Kit

Includes lens, lensboard and

35mm carrier. BS2490.....\$117.95

23C Rotating Negative Carriers 35mm (24mm x 36mm)

BS2210 .....\$47.19 35mm FF (25mm x 37mm)

BS2220.....\$47.19 35mm Mounted Slide

BS2215.....\$47.19

6 x 4.5cm BS2205 ....\$47.19 6 x 6cm BS2225 ....\$47.19

BS2240 ....\$47.19 6 x 7cm BS2230 ....\$47.19 6 x 9cm

6 x 9 AN glass BS2247 ..\$102.95

#### ME G



#### C760XL Dichroic Enlarger

Features dichroic lamphouse for precision color printing with 35mm thru 6 x 7cm formats. Includes an 18" x 22" x 11/4" baseboard and 50" chassis. Also features:

- Calibrated column in inches/centimeters
- Dual focus and carriage elevation controls
- Lamphouse w/continuously variable dichroic cyan, magenta and vellow filters: 35mm and 6 x 7 mixing chambers.

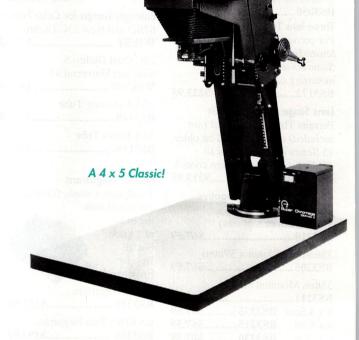
OA5020 .....\$509.95 C760XL Condenser Enlarger OA5021 .....\$389.95

#### **C760 Accessories**

35mm Negative Carrier <b>OA5035</b>
35mm Mounted Slide Carrier OA5037\$43.79
6 x 4.5 Negative Carrier <b>OA5040</b> \$43.79
6 x 6 Negative Carrier <b>OA5043</b> \$43.79
6 x 7 Negative Carrier <b>OA5045</b> \$43.79

# ALL OMEGA 4X5 ENLARGERS ARE NOW





#### **Pro-Lab II Enlarger System**

Combines the stability of the Omega D5500 chassis, with the convenience of the popular D-type negative carrier. The universal Pro-Lab II handles all formats up to 4" x 5", and easily produces 20" x 24" enlargements (onbaseboard) from 35mm negatives.

Pro-Lab II Dichroic Enlarger

Includes D5500 chassis. baseboard, lens turret, and Dichroic II Lamphouse. Requires power supply. Shipping Weight: 128 lbs. OA3005 .....\$1820.00

**Pro-Lab II Condenser Enlarger** 

Includes D5500 chassis, baseboard, lens turret and DV Condenser Lamphouse. Shipping Weight: 128 lbs. OA3000 .....\$1249.00

D-5XL Pro-Lab **Negative Carriers** OA6609 ....\$59.99 35mm 35mm Mounted Slide OA6680 ....\$66.29 OA6626 ....\$59.99 6 x 6cm 6 x 4.5cm OA6623 ....\$59.99 6 x 7cm OA6627 ....\$59.99 OA6630 ....\$59.99 6 x 9cm Polaroid 105 OA6640 ....\$59.99 4 x 5 Cut OA6645 ....\$59.99 4 x 5 Universal Glass OA6660.....\$115.95

#### **D5-XL Enlarger System**

This industry standard consists of the rugged D5-XL chassis with a 57" scaled girder. The elevation system is counterbalanced and rack and pinion controlled. For precision, the D5 has an optional Micromega dual-range focusing attachment. The D5 accepts interchangeable lamphouses.

(Requires Lamphouse.) OA6226K .....\$995.00 D5-XL Wall Brace OA7566 .....\$112.95 **D5-XL Wall Mount** OA7565 .....\$138.95

D5-XL Chassis with Baseboard

#### **D5-XL Lamphouses**

Variable Condenser Lamphouse With two fixed, and one variable condenser to adjust from 35mm (or smaller) to 4x5.

OA6250.....\$520.95

D Dichroic II Lamphouse

Features 0-170 high-range filtration, 250w lamp and "DD" mixing chamber for formats up to 4x5. Requires Std. Power Supply. OA6440.....\$1049.00

#### Dichroic II/D5-XL Accessories

Chromegatrol Power Supply/ Timer/Voltage Stabilizer OA6445.....\$562.95 Standard Power Supply OA6443.....\$301.95 Voltage Stabilizer OA6475.....\$291.95 250 Watt Halogen Lamp for Dichro II WIELC .....\$15.95 Chromegatrol Footswitch OA6447.....\$83.19 Turret for D5XL Enlarger OA6735.....\$187.95 Micromega Dual Range Focus Kit OA7715.....\$106.95

> 5x7 Chromega E, 8x10 Chromega F, D5500 Enlarger Systems — **Now Available!**

For price and availability on these versatile enlarging systems, call 1-800-CALUMET.

# 4500-II Super Dichroic Enlarger shown with optional easel.

#### **4550XL Enlarger System**

Deluxe LPL edition with 250 watt lamp that reduces exposure times by 25%, and a vibration-free fan and muffler system for cooler, quieter operation. Handles 20" x 24" 4-bladed easels on baseboard. Other features same as the

	oic Color Enlarger \$1979.00
	x & White Enlarger \$1769.00
4550XL VCC <b>SO5198</b>	E Enlarger <b>\$1979.00</b>
	legative Carriers SO5217\$64.79
4x5 glass	SO5207\$118.95
35mm full-fra <b>SO5210</b>	me \$64.79
35mm mounte SO5218	ed slide\$64.79
6x4.5cm	SO5213\$64.79
6x6cm	SO5214\$64.79
6x7cm	SO5216\$64.79
6x9cm	SO5215\$64.79

4500/4550 Lensboards

SO5230 ....\$22.09

SO5232 ....\$30.19

#### **670DXL Dichroic Enlarger**

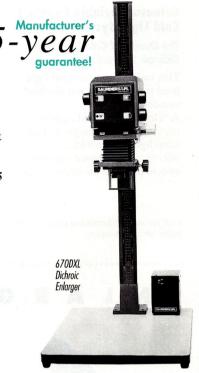
Rigid medium format color enlarger features fade-proof dichroic filtration, diffusiontype illumination, "memorylock" white light focusing, extralong 42" vertical column, dual rail focusing, guaranteed perfect alignment, lens stage tilt and shift capabilities. Requires negative carrier and lens.

SO5000 .....\$749.95

#### **670VCCE Variable** Contrast/Constant **Exposure Enlarger**

Handles all variable contrast papers efficiently with its dual filtration system (one for Kodak Polycontrast III RC, and one for Ilford Multigrade III RC or compatible papers). Its "constant exposure" eliminates costly trialand-error exposure adjustments to compensate for filter changes. Adjust contrast in .5 increments from 0 to 5 (or -1 to +5 for Polymax RC paper). For easy focusing, switch to white light, switch again for exposure at pre-selected filtration. Includes VCCE source, 670 chassis. baseboard and power supply. SO4999 .....\$819.95

Call 1-800-CALUMET and ask your Technical Sales Representative about additional Saunders/LPL accessories.



670 Negative Carriers	
35mm full-frame SO5010	\$33.79
35mm mounted slide SO5016	\$33.79
6x4.5cm SO5013	\$33.79
6x6cm SO5014	\$33.79
6x7cm <b>SO5015</b>	\$33.79

## 4500-II Variable **Contrast Enlarger**

4500-II Super

Dichroic Enlarger

Color 4x5 enlarger with stepless,

dial-in dichroic filtration, color-

white light focusing and built-in

exposure control. Features 47"

carrier, lens and lens mount.

Replacement 200w lamp

vertical column, oversized 23" x

23" baseboard. Requires negative

SO5200 .....\$1409.00

WIEYA.....\$17.50

coded scales, "memory lock"

light attenuator for flexible

4500-II equipped with a variable contrast module calibrated for Ilford Multigrade III paper. SO5201 .....\$1409.00

The Durst L1200/CLS 501 Dichroic Standard Pin-registered Enlarger shown with optional Carrier and Adjustable Format Mask.

39mm

50mm

#### **L1200 Enlarger System**

Both of these enlargers include the L1200 Chassis which accepts 35mm through 4x5 and features:

- Negative and lens stage tilt to correct for vertical distortions
- 90° adjustable head for horizontal projection
- Pin-registered masking negative carrier system

Chassis includes a 48.8" column and 25" x 27" x 3" baseboard.

#### L1200/CLS 501 **Dichroic Enlarger**

This diffusion light source enlarger can be used for both color and variable-contrast black & white printing. The CLS 501 head allows up to 2-stops of stepless neutral density to be added without changes in aperture or exposure times - preserving optimum performance. Filtration is stepless up to 130 densitometric scale units (or 185 cc). Shipping weight: 156 lbs.

DR3011 1 .....\$4999.00

Calumet stocks the full line of L1200 accessories. Call toll-free 1-800-CALUMET for details.

#### L1200/VLS 501 Variable Contrast Enlarger

A powerhouse b&w enlarger, this unit features extremely even, diffused light to minimize negative scratches and flaws. The built-in filtration system provides stepless variable contrast grades from 0 to 5—and exposure remains constant! Just dial in the contrast. Shipping weight: 145 lbs.

DR3006 1 .....\$4859.00

1 Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck, Freight Collect.

#### ORIENTAL

#### Oriental Variable Contrast Cold Light System

The Quality of Cold Light with Dichroic Convenience!

This variable contrast cold light head simplifies black-and-white printing.

A "closed-loop" cold cathode, mercury vapor, blue/green dual lamp light source with a microprocessor-based exposure system provides the ultimate lamp

Call for more information about adapters to fit other series enlargers.



stability for both variable contrast and graded printing.

Designed to directly fit the Beseler and Omega D 4x5 series chassis. Features convenient timer control, 100-print memory, contrast control from 0-5 in ½ grades, digital display, audible metronome for dodging and burning, self-testing ability and print counter. Includes foot switch.

OR00010 .....\$1799.00

Removable Remote Control

OR00013 .....\$284.95

#### **VC Scanner**

Reads valves and sends correct density and contrast settings to cold light system.

OR00014 .....\$439.95

#### ENLARGER FOCUSING AIDS



#### **Micro-Sight Focusing Magnifier**

25X enlarger grain focusing scope features a bright triple element achromatic lens and "Mikodot Superbrite" mirror for sharp, clear reflection, free from "ghost" or double images. Adjustable eyepiece with air suspended hair reticle. Sturdy construction with weighted base.

BO1010 (A).....\$56.95

#### Mini Sight Grain Focuser

This 10X grain focuser is only a mere 5½" high and features quality allmetal construction plus a front surface "Mikodot" mirror for a crystal clear reflection. This Mini Sight Grain Focuser is ideal for the student or anyone who's a beginner in photography.

BO1020 (B) .....\$25.89

#### **Grain Focuser**

mate from the law and a law to

#### **Critical Grain Focuser**

Precision focusers for fine, accurate enlarging. Feature a 10X achromatic Kellner eyepiece consisting of three coated lenses in two groups plus swivel eyepiece for off-axis focusing. The mirror assembly includes a front surface mirror.

PC1710 (D) .....\$189.95

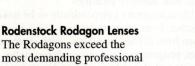
#### **Magna-Sight Focusing Magnifier**

This "image focusing" sight can be focused on any area of the projected image from corner to corner, not just in the center. Individually adjusted for precise and accurate focus. Made of metal with weighted base.

BO1000 (E) .....\$35.99



## ENLARGING LENSES



requirements. The computerdesigned six-element formula utilizes special rare earth glass for outstanding color correction.

Rodenstock Rogonar-S Lenses Rogonar-S lenses feature a four element design for high contrast and sharpness at moderate cost. Ideal step up lens for home darkrooms.

Rodenstock Apo-Rodagon Lenses Produce excellent contrast in fine detail at the edges of the image, even at wide apertures.

#### **El Nikkor Lenses**

EL Nikkor lenses offer resolving power, contrast, evenness of illumination and flatness of field far in excess of the capabilities of conventional optics. They are corrected for chromatic aberration beyond the visible spectrum, insuring against focus shift at every aperture and magnification.

**Schneider Componon-S Lenses** 

Regarded as the standard professional enlarging lenses for true color reproduction. They provide excellent resolution throughout the full aperture range, from wide open to the smallest f/stop, and their symmetrical construction eliminates "focus shift" as the lens is stopped down.

#### Schneider Apo-Componon HM Lenses

These high-modulation, multicoated lenses are capable of capturing the most subtle details, even at maximum aperture, and, due to their slightly short focal length, offer greater magnification.

#### **Enlarging Lens Retaining Rings**

39mm Retaining Ring
For all flat and recessed boards
BS2145.....\$5.49

39mm Thin Retaining Ring
For Omega turret and extended
cone mounting plates
RS2145.....\$9.99







	Focal Length	Aperture Range	Format Size	Barrel Size	Removeable Stops	Preset Aperture	Item No.	Price
TO A STATE OF THE	STATISTICS OF	TO THE TOTAL		And the		Parative.	er vereine	NOTA VIT
Rodenstock	28mm	4.0-16	18 x 24mm	32.5mm*	No	No	RS5000	\$319.9
Rodagon	35mm	4.0-16	24 x 24mm	32.5mm*	No	No	RS5005	\$269.95
Kodagon	50mm	2.8-16	35mm	39mm†	Yes	Yes	RS5010	\$169.95
	80mm	4.0-22	6 x 7cm	39mm†	Yes	Yes	RS5025	\$199.95
	105mm	5.6-32	6 x 9cm	39mm†	Yes	Yes	RS5035	\$319.95
	135mm	5.6-32	4" x 5"	39mm†	Yes	Yes	RS5040	\$369.95
	150mm	5.6-45	4" x 5"	50mm	No	No	RS5045	\$459.95
	180mm	5.6-45	5" x 7"	50mm	No	No	RS5050	\$579.95
house (A)	240mm	5.6-45	8" x 10"	72mm	No	No	RS5060	\$1039.00
				230 230	sidanal Juque n ekselterrat l	erroundm Opcobed occ	Howelfed Incided to	obniom og larb
Rodenstock	25mm	4.0-16	110	32.5mm*	No	No	RS6100	\$169.95
Rogonar-S	50mm	2.8-16	35mm	39mm†	Yes	Yes	RS6110	\$124.95
Kogoliui-3	60mm	4.5-22	4 x 4cm	39mm†	Yes	No	RS6115	\$144.95
	75mm	4.5-22	6 x 6cm	39mm†	Yes	Yes	RS6120	\$154.95
	90mm	4.5-22	6 x 7cm	39mm†	Yes	Yes	RS6125	\$189.95
	105mm	4.5-22	6 x 9cm	39mm†	Yes	Yes	RS6130	\$209.95
	135mm	4.5-32	4" x 5"	50mm	No	No	RS6135	\$279.95
	150mm	4.5-32	4" x 5"	50mm	No	No	RS6140	\$289.95
07 J	13011111	1.0 02	All ded ord			1		,
41 C		201/	05	20 1		l v	DCCAGA	C400.04
Rodenstock	50mm	2.8-16	35mm	39mm†	Yes	Yes	RS5080	\$429.95
Apo-Rodagon	80mm	4.0-22	6 x 7cm	39mm†	Yes	Yes	RS5095	\$569.95
40 W 10 10 10 10 10 10 10 10 10 10 10 10 10	105mm	4.0-22	6 x 9cm	39mm†	Yes	Yes	RS5097	\$849.95
38, 32,000 c	150mm	4.0-32	4" x 5"	50mm	No	No	RS5100	\$1195.00
El Nikkor	40mm	4.0-16	35mm	39mm†	No	No	NL8040	\$224.95
Zi i tilictor e e e e e e e e e e e e e e e e e e e	50mm	2.8-16	35mm	39mm†	No	No	NL8052	\$144.95
	63mm	2.8-16	35mm	39mm†	No	No	NL8062	\$224.95
	75mm	4.0-45	6 x 6cm	39mm†	No	No	NL8075	\$158.95
	80mm	5.6-32	6 x 7cm	39mm†	No	No	NL8080	\$191.95
	105mm	5.6-32	6 x 9cm	39mm†	No	No	NL8105	\$248.95
	135mm	5.6-45	4" x 5"	39mm†	No	No	NL8135	\$342.95
	150mm	5.6-45	4" x 5"	39mm†	No	No	NL8150	\$741.95
5.1 V Settle (3.1	180mm	5.6-45	5" x 7"	62mm	No	No	NL8180	\$685.95
	240mm	5-6-45	8" x 10"	82mm	No	No	NL8240	\$1859.00
Schneider	50mm	2.8-16	35mm	39mm†	Yes	Yes	SC5050	\$189.95
Componon-S	80mm	4.0-22	6 x 6/6 x 7cm	39mm†	Yes	Yes	SC5084	\$239.95
Componon-3	100mm	5.6-32	6 x 9cm	39mm†	Yes	Yes	SC5100	\$319.95
	135mm	5.6-45	4" x 5"	50mm	Yes	No	SC5135	\$389.95
	150mm	5.6-45	4" x 5"	50mm	Yes	No	SC5151	\$449.95
	180mm	5.6-45	5" x 7"	55mm	No	No	SC5180	\$654.95
1965 (1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	240mm	5.6-45	8" x 10"	66mm	No	No	SC5240	\$964.95
Schneider	45mm	4.0-22	35mm	39mm†	Yes	Yes	SC5445	\$375.95
Apo-Componon HM	90mm	4.5-22	6x7cm	39mm†	Yes	Yes	SC5490	\$557.9
. ha combonon in	150mm	4.0-32	4"x5"	55mm	No	No	SC5415	\$739.9



#### Time-O-Lite M-72 Master Timer

Heavy-duty, 60-second enlarging timer features push-button start and auto-reset. ideal for multiple prints from same negative. Other features include luminous dial, timed or continuous (focus) output, enlarger and safelight outlets, polarized linecord, 750w load capacity. UL listed

TL6720.....\$72.99

#### Time-O-Lite **GR-90 Enlarging Timer**

This economical 60second timer incorporates a simplified auto-reset timing mechanism. Other features include timed/continuous output, luminous dial, polarized linecord and receptacle and 750w load capacity. UL listed.

TL6735.....\$52.59



#### **Beseler Audible Repeating Timer**

Electronic timer has .1 to 110 second range with switchable audible tone. Luminous dials and large "print" button, switch for silent or audible operation. Two grounded outlets: one for the enlarger and one for a safelight, each can handle up to 500 watts.

BS4500 .....\$109.95

Footswitch for Beseler Timers BS3133 .....\$39.39



#### **Digi-timer Enlarging Timer**

This digital timer is designed for use with all light sources, including cold lights. It features dual time control with 10X range selector for precise times from 0.1 to 99 sec.. Also includes a print-cancel feature, metronome tone every second or silent operation, two 500w AC outlets. BS4510 .....\$147.95



Counts down with digital accuracy and resets automatically, allowing you to

repeat cycle. Choice of two time ranges: seconds (from 99 sec.) and tenths (from 9.9 sec.). Also has three audio settings, a 600w AC outlet, accepts Gra Lab 560 footswitch. Measures 3½" x 4" x 8". UL and CSA listed. GL7015 (A).....\$99.95

#### Gra Lab 451R Timer/ Intervalometer

Solid-state timer with two programmable functions, one "on-time," one "off-time." Both automatically reset and can be used intandem for continuous recycling. Choice of three audio signals and time ranges: 1-99 minutes, 1-99 seconds and 0.1-9.9 in tenths of a second. Maximum lamp load 600w. Measures 3½ " x 4" x 8". UL listed. GL7025 .....\$114.95



#### Gra Lab 545 **Electronic Switching Timer**

Excellent all-purpose, 60-minute processing timer and 0.1 enlarging timer, even for cold lights. Features Quartz crystal accuracy, push button controls, auto-reset and two 600w AC outlets. Maximum lamp load 600w. Measures 21/4" x 41/2" x 93/4". UL listed. GL6765 (B) .....\$159.95

#### Gra Lab 645 Timer/Intervalometer

With two programmable memories which can be used independently or programmed to interact with each other - simultaneously or in tandem. Also features two 600w AC outlets which can be switched on and off in any sequence. Other features are the same as the 545 (listed above). Maximum lamp load 600w. Measures 21/4" x 41/2" x 93/4". UL listed. GL6762 .....\$169.95

#### **Gra Lab 300 Timer**

Sixty minute time range sets in minutes and seconds. With luminous dial, two 750w receptacles,

combination time/focus switch, volume controlled buzzer alarm. UL listed. GL6710 .....\$69.95



#### Gra Lab 900 Timer

With nine memory locations which can operate independently or be linked together. Four program options count up or down from 0.1 sec. to 60 hrs., auto-clean and reset, programmed outlet switching, audio signals and elapsed time count. Features two 1000w capacity AC outlets.

#### 560 Gra Lab Footswitch

For 505, 450/450R, 451/451R, 545, 645 and 900. GL6031 .....\$28.69

GL6900 .....\$229.95

#### Metrolux Lamp Controller

Specially Designed for Cold Light Heads!



Based upon the principle that cold lights are subject to not only fluctuations in voltage, but also output variances, the Metrolux was designed to monitor the output directly from the source and adjust exposure. Features:

- Dual calibration channels/6 memory inputs
- 0.1 to 999 sec./Dry-down compensation
- LED readout visible in darkroom
- Dual footswitch outlets
- Adjustable metronome
- Built-in probe compatible with Aristo or Zone VI cold light heads (specify below)

With Aristo Probe MT2000......\$345.00 With Zone VI Probe MT2010......\$345.00



**Compensating Developing Timer** 

Guarantees consistent results with cooling or warming chemicals by compensating the development time. This 100-minute digital timer constantly monitors the temperature of negative or print developer and adjusts processing times accordingly. Handles all paper and films and is accurate to 0.25 - 1°F. Features fog-free luminous display and soft audible reminder-signal. Includes footswitch. ZN5621.....\$365.00

#### SITOME







#### **X-Rite Densitometers**

#### X-Rite 810 Densitometer

This transmission/reflected reading densitometer is ideal for all lab applications. Its unique "Electronic Filter Selection" (EFS) allows you to read and display the values for all colors or only dominant colors at the push of a button. Other features include Status A Reflection and

Status B Transmission readouts, quick 2-minute warmup, +.02D accuracy, +.01D repeatability, and +.02D zero stability.

XR3810.....\$2779.00

#### X-Rite 820TR/IM

Multiple memories for control strip aim points, built-in modem and plotter output.

XR3820.....\$3599.00

#### **Speedmaster Densitometers**

#### **R-75PD Reflection Densitometer**

This economical reflection densitometer features easy-toread digital meter for unmistakably accurate readings, electronic zeroing for all filter positions and easily operated hinged reading probe and flexible cable. Solid state circuitry and built-in voltage provide rapid warm-up and assure repeatability and reliability. SP1004 ......\$1295.00

#### **T-85CD Transmission Densitometer**

Features digital meter, 6" probe arm for center reading up to 12" x 12" negatives and programmable null mode which allows the operator to setup or "program" a standard and then take ± readings from that programmed standard. With status M filters.

SP1002 ......\$1639.00



#### **Beseler PM2A Color Analyzer**

The PM2A provides fully linear response and direct readout of filtration and exposure on a large 4 1/4", fully illuminated meter with Day-Glo needle and narrow Mirror Band to ensure correct readings. The meter shows a full filtration range of 200 units (+100cc to -100cc) and printing times from 1 to 100 seconds.

The ultra-sensitive Photo Multiplier Probe also assures accurate readings in lowest light situations. Programs can be stored via accessory "plug-in" program modules.

BS5030.....\$555.95

Plug-in memory module for PM2A BS5016.....\$89.39



#### Speedmaster SM-800A **Color Analyzer**

Easy-to-read LED displays color density, exposure density or exposure time measurements, as well as footcandle calibration capabilities. The SM-800A can be used with color negatives, slide duping, internegs, b&w and lamphouse setup. Features low profile 4' fiber optic probe, 17-stop reading range and micro-coded memories.

SP1094.....\$1295.00



#### Jobo Colorstar 3000 **Color Analyzer**

This microprocessor-controlled color analyzer can store eight different correction programs in memory. By analyzing small test strips, the Colorstar 3000 makes program changes automatically. Spot averaging, densitometer functions, and variable contrast b&w metering are all built in. As chemicals change, the Colorstar 3000 can compensate all eight programs at once with an adjustment factor. Exposures can be interrupted and resumed for burning or dodging.

JB5950.....\$1099.00

Plug-in memory module for Colorstar 3000

JB6006.....\$56.69

#### **Ilford EM10 Exposure** Monitor

For black and white, and color print making.

The EM10's thin probe positions the reading cell close to the baseboard for greater accuracy, and automatically compensates for changes in exposure from one slide or negative to another.

Requires 9 volt battery.

IK0240.....\$29.69

#### SAFELIGHTS

#### DARKROOM LIGHTS FOR NEEDS

#### Sodium Vapor Safelights

Perfect for large darkrooms! They offer the brightest possible illumination and make it a safer working environment.

#### **Incandescent Safelights**

Ideal for small darkroom situations. They offer a focused, safe light source which is very practical when placed directly over work areas. Most incandescent safelights offer a wide selection of different filters for different materials.

#### **LED Safelights**

Extremely long-lasting, cool to the touch and most models feature variable light output.



#### **Jobo Minilux Color Safelight**

Portable darkroom lamp for local illumination in the color and B&W darkroom. Automatically switches itself off in bright light. 1½" diameter light. (Requires two-AA batteries.) JB0100 .....\$28.59

#### **Jobo Maxilux Color Safelight**

This A.C. powered color darkroom lamp can be bench or wall mounted and features a tilting, spherical lamphead to point in any direction. Uses LEDs concentrated in a small space for high output over a large area.

JB0110 .....\$97.89



#### source, two adjustable flaps to **Multi-Purpose Safelight** control the intensity of the light Base bracket for table or wall and interchangeable filters for a

- mounting
- Includes amber filter for general purpose b&w printing
- 25 w bulb included
- 6' line cord with on/off switch
- Easy change of 10" x 12" filters
- Includes chains and hook for ceiling mount

PM6820 (B) .....\$68.89

#### Kodak 10" x 12" Safelight Filters

OC (Light Amber) For most B&W papers KK9522 .....\$68.99 1A (Light Red) For orthochromatic materials KK9524 .....\$68.99 13 (Amber) For color paper

KK9528 .....\$68.99



choice of applications.

For all b&w printing and

**DUB Safelight** 

ortho films.

#### Premier 5" x 7" **Multi-Purpose Safelight**

All metal with base bracket for table or wall mounting. Easy change of 5" x 7" filters. 6' line cord with on/off switch. Includes 15-watt incandescent bulb and amber filter.

DN2000 .....\$22.95

#### Kodak 5" x 7" Safelight Filters

OC (Light Amber) For most B&W papers KK9515 .....\$43.99 1A (Light Red)

For orthochromatic materials KK9516 .....\$43.99



#### **48" Fluorescent** Safelight Sleeve

Fits on any 40 watt fluorescent tube and yields enough light to read a newspaper by. Fluorescent tubes are far more economically efficient than incandescent lamps and last up to 20 times longer.

OC (Light Amber) EE1048 .....\$29.95 1A (Light Red) EE1049 .....\$29.95



Features all metal construction with bracket for mounting to wall, table or ceiling. Includes OC filter. (Requires 15 watt incandescent lamp.)

BR9000 .....\$48.89



#### Kodak 5½" Circular Safelight

For use in wall socket or from a drop socket. (Filter and incandescent lamp not included.)

KK9485 .....\$40.99

#### Kodak 5½" Safelight Filters

OC (Light Amber) For most B&W papers KK9502 .....\$27.99

1A (Light Red) For orthochromatic materials KK9504 .....\$27.99

13 (Amber)

For color paper KK9508 .....\$27.99

#### DARKROOM



#### Air-No-Lite Fans

#### For A Safe Darkroom!

Feature one-piece molded plastic housing, ¾" flange and, if air is being exhausted to a dark crawl space, removable louver panels for double the air flow. All fans use 110 VAC and are easy to install.

#### A-1212 Exhaust Fan











#### D-68 Exhaust Fan

Good for rooms up to 6' x 8'. Features from 150 to 300 CFM and 8" x8" x 4" housing. **DN3040 (E)......\$67.99** 

#### Pro-Lab SL/PS

This heavy-duty 600 CFM fan can be used for rooms up to 20' x 20' as either exhaust or intake fan. Accepts 6" galvanized pipe and requires 18" x 18" supply louver.

DN3060 (A) .....\$243.95

#### Pro-Lab SL/WC

This weather/water-proof fan is especially made to vent air outdoors, and features an antiback-up flap and a protective grill. Specs same as SL/PS.

DN3080 (C) ......\$273.95

#### **Air-No-Lite Louvers**

Provide essential air supply to rooms fitted with exhaust fans.

#### DV-99 Louver

For 8" x 8" opening **DN3050** .....\$20.95

#### L-1010 Louver

For 10" x 10" opening **DN3030......\$49.95** 

#### L-1212 Louver

For 12" x 12" opening **DN3010 (D)** ......\$54.95

#### L-1818 Louver

For 18" x 18" opening **DN3070.....\$90.09** 

#### Vent-Axia "T" Series Darkroom Ventilators

These vibration-free, light-tight and

weatherproof fans are for use in all internal and external surfaces. "TX" models feature built-in automatic shutters which close off the air passage when fan is not in use to prevent cold backdrafts and heat loss. All Vent-Axia fans are backed by a two-year warranty.

#### 6" Ventilators

With 6" high-efficiency, 260 CFM fan for rooms up to 10' x 12'.

	-	
6" TL	ED1217	\$315.95
6" TX	ED1209	\$384.95

#### 7" Ventilators

With 7" high-efficiency, 400 CFM fan for rooms up to 15' x 15'.

7" T.L	ED1218\$444.95
7" TX	ED1210\$529.95

#### 9" Ventilators

With 9" high-efficiency, 620 CFM fan for rooms up to 16' x 20'.

9" TL	ED1220	\$550.95
9" TX	ED1211	\$646.95

#### **Vent-Axia T Series Controller**

Gives 3-speed power control and intake/exhaust flow control for Vent-Axia Ventilators. Controller gives a choice of low, normal and boost operation.

ED1228 .....\$98.59

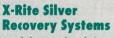


#### Vent-Axia Light-Tight Grills (F)

20% More Efficient!

Extremely efficient louvered grills supply the necessary air flow for high-efficiency fans.

ED1262	,
LTG 9/12 Grill (appx. 18 <b>ED1264</b>	x 18")



#### Model 655 Bleach/Fix System

This manually operated 4¼ gallon unit can be used with bleach fix, and can recover up to .5 Troy oz. of silver per hour. (15 amps)

XR4655 .....\$911.95

#### Model 641

This manually-operated, 3 gallon unit will recover up to .125 troy ounces of silver per hour from fixers. (1 amp)

XR4641 .....\$487.95

#### Model 643

Features automatic operation and 3 gallon tank. Recovers up to .375 troy ounces of silver per hour. (3 amps)

XR4643 .......\$570.95



#### Magic Gun "Compressorless" Air Nozzle



#### **Anti-Static Air Nozzle**

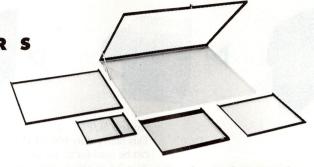


# Magic "Jr." Film Cleaner w/Footswitch

Uses high velocity air to remove static charge, dust and lint from film instantly — without a compressor. Cleans strip film or large reels of film, up to 70mm. Will clean 4" x 5" film in two passes. Only 3½" high, weighs 2 lbs.

FC1005 .....\$409.95

#### EASEL



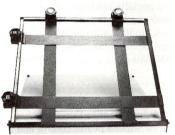


#### 14" x 17" Adjustable **Universal Easel**

This high quality, 4-bladed easel centers the image on the paper to produce clean, even borders around the entire enlargement. Blades hold paper extremely flat and when set to size, cannot be accidentally displaced.

Automatic click stop holds easel open, lock-tight paper slots register paper precisely. Accurate calibrations on each blade allow individual border control on all four sides of the paper. Borders are individually adjustable on paper sizes up to 11" x 14"; the masking assembly snaps out to give fixed 3/6" borders on 14" x 17".

SO6210 .....\$128.95



#### **Heavy Duty Professional Easels**

These lab-quality easels all feature a rigid, calibrated masking frame and an extremely precise blade adjustment system driven by large control knobs. Stretcher-levelled steel construction, focal yellow and black finish, 1" high autofocus base, fully adjustable for prints down to passport size.

11" x 14"	SO6310\$190.95
16" x 20"	SO6250\$359.95
20" x 24"	\$06255 \$459.95

#### Saunders Single Size Easels

All-metal, with machined steel hold-down frame and heavy. non-skid base, 16" x 20" size has stay-open hinge and front catch

#### Deluxe Adjustable **Borderless Easels**

The retaining bars hold even curly paper perfectly flat without adhesives, a vacuum or glass. Each is adjustable for smaller size prints. 1" thick autofocus base, focal yellow finish. All-steel construction.

8" x 10"	SO6120	\$35.09
11" x 14"	SO6125	\$47.39
16" x 20"	SO6130	\$89.59
20" x 24"	SO6135	\$189.95



#### PR810 Professional **Multi-Print Easel**

Makes multiple prints on a single sheet without moving the easel. Supplied with masks for making two 5" x 7", four 4" x 5" four  $3\frac{1}{2}$ " x 5", eight  $2\frac{1}{2}$ " x  $3\frac{1}{2}$ ", or a single 8" x 10" with mask removed.

SO6410 .....\$322.95





#### **Super Proofers** 35mm Super Proofer (7-strips/5-exp.)

SO6500 .....\$20.49 120mm Super Proofer

(4-strips/3-exp.)

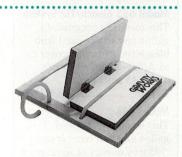
SO6510 .....\$20.49



#### **Premier Print Frames**

Sturdy metal construction with spring steel clamps. Pressure back is felt lined.

8" x 10" PM6500 ......\$32.19 11" x 14" PM6520 ......\$38.95 16" x 20" PM6540 ......\$62.79



#### **Gravity Works Contact Printer**

Baltic-birch laminate frame, UTV acrylic surface, hinged back lined with black foam. Accepts materials up to 3/8".

8" x 10"	GW1900\$53.19
11" x 14"	GW2000\$68.99
16" x 20"	GW2100\$79.79







#### Premier 4-in-1 Enlarging Easel

Magnetic latching print easel with four fixed frames — 8" x 10", 5" x 7", 3½" x 5", 2½" x 3½". No adjustments needed. Features solid special focusing base.

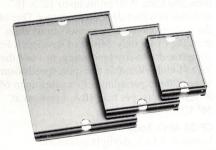
PM6320 .....\$35.99



#### LPL 2-Blade Adjustable Easels

All metal, precision 2-blade enlarging easels with automatic paper grippers. Heavily braced for rigidity and perfect flatness. Also features non-skid rubber feet, adjustable margins and lo-actinic base that prevents fogging of prints from unwanted reflections. Masking scales are ruled.

8" x 10"	SO6000	\$42.79
11" x 14"	SO6001	\$56.39
16" x 20"	SO6002	\$103.95



#### Ganz Speed-Ez-El

These sturdy single size easels give you consistent ¼" borders and feature a fog-free, non-reflective, yellow finish, thumbhole for easy paper handling, and non-slip foam rubber feet.

4" x 5"	BR1126	\$19.29
5" x 7"	BR1125	\$22.79
8" x 10"	BR1130	\$24.89
11" x 14"	BR1135	\$31.29

#### **Kostiner Masking System**

These 4-bladed adjustable easels let you set margins and image size instantly and accurately, regardless of paper size or position on the baseboard. Optional Pen-Line-Liner allows fully adjustable outlines, hairlines, bold lines or adjustable black borders anywhere and in any width.

16" x 16" EA-16 Masker w/four 11/4" blades

#### **Kostiner Masking Easels**

Pen-Line-Liner for EA-21

KS6000\$	166.95
21" x 21" EA-21 Masker w/four 1¼" bl KS6020	
Accessories for Masking Easels 3" Masking Blade (each) for EA-16 KS6003	.\$28.59
3" Masking Blade (each) for EA-21 KS6023	\$40.09
Pen-Liner for EA-16 <b>KS6006</b>	\$61.19

KS6026.....\$72.09

#### **Beseler 4-Bladed Universal Easels**

Quality enlarging easels with these full range of professional features:

- 2" wide spring steel masking blades lay perfectly flat, move freely and require no locking
- Spring-loaded "hold-open" hinge for easy paper insertion and removal
- Convenient paper position guides
- Steel base with extruded aluminum frame
- Fog-proof flat black epoxy finish
- Quick conversion to borderless printing with economical accessory kit
- 5-Year Warranty

\$99.95
\$209.95
\$309.95
\$27.79
\$33.69
\$49.69

#### PAPER SAFES



#### **Premier Paper Safes**

Constructed of rugged ABS plastic, with no fear of damage from refrigeration or freezing. Holds up to 200 single weight sheets.

8 ½ x 11"	PM0100	\$22.49
12" x 16"	PM0110	
16" x 20"	DN0120	\$39.95
20" x 24"	DN0124	\$49.95

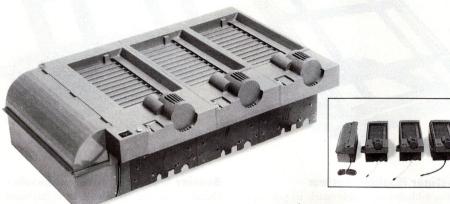


#### Premier Adjustable Paper Safes

Save paper and time with this convenient darkroom accessory. Adjustable shelf dividers let you store paper sizes and types according to your needs.

8" x 10"	PM6910	\$54.95
11" x 14"	PM6915	
12" x 18"	PM6920	\$74.59

# ABLE-TO



#### **Durst Printo**

#### Modular 11x14 processor!

This modular, compact roller transport processor provides high quality, repeatable color or b&w prints up to 11" x 14" while using only 2.5 liters of chemicals per tank.

Its modular design makes Printo both practical and economical:

- Can be configured for most processes, including RA-4, R-3000, Ciba or b&w, with or without wash and dry
- Process over 100 color, b&w 8x10 and over 40 Cibachromes prints per hour.

#### **Durst Printo Processor Packages**

This "modular processing system" offers more printing versatility than any other in its price range.

#### Printo RA-4/B & W Package

- 1 Intro Module
- 2 Tank Modules
- 2 Therm Energy Modules

DR0110.....\$1699.00

#### Printo Ciba/R-3000 Package

- 1 Intro Module
- 3 Tank Modules
- 3 Therm Energy Modules

DR0100.....\$2450.00

#### **Printo Processing Modules**

Assemble the exact processor you need from these seven modules:

#### Intro Module

Feeds paper into the system. Features a light-tight lid for daylight operation.  $(19\frac{1}{2}$ " x  $6\frac{3}{4}$ " x 8")

DR2500 .....\$249.95

#### Tank Module

Central processing unit with roller transport drive, agitation and drain. Requires Energy Therm or Energy Mot. (19½" x8½" x 8")

DR2520 .....\$549.95

#### **Energy Therm Module**

Motor drive for processing Tank Module with temperature control and thermostat. DR2560 .....\$249.95

#### **Energy Mot Module**

Motor drive for wash Tank Module only (without temperature control).

DR2540 .....\$189.95

Converts Tank Module into wash unit. Includes necessary hoses and connectors. DR2585 .....\$69.99

#### Dry Module

In-line air impingement dryer that connects to wash. (19½" x 10" x 8")

DR2580 .....\$1099.00

#### **Dry Chrome Extension**

Extension unit for Dry Module for Cibachrome. (15¾" x 10" x 4")

DR2590 .....\$479.95



Fujimoto CP-51 Main Body shown here with 3-Bath Module and WD Module

#### For the "Big Job"

Big RA-4 prints are no problem (up to 20"x30") with this Jobo CP-51 modular table-top processor. And suppose you need b&w and C prints for the same job. The CP-51 can handle it all, starting with its 2bath Main Body. Add the 3-Bath Module to handle Kodak R-3 Process. A wash/dry module completes the dry-to-dry process and is available either for water or waterless procedures. This modular processing system features automatic replenishment monitored by sophisticated IR sensors. Chemistry temperature is thermostatically controlled to within ± 0.1° and monitored by LCD display. Variable transport speeds from 52 to 350mm per minute. Uniform development of 20" x 30" is achieved in only 6 liters of chemistry. Requires 220 volt power.

#### CP-51 Main Body

2-bath roller transport processor. Dimensions: 32" (d) x 25" (w) x 12" (h). Shipping weight: 115 lbs. JF3075 ①.....\$5599.00 CP-51 Wash/Dryer Module

2-bath wash and automatic hot air dryer. Requires external tempered water supply. Dimensions: 30" (d) x 19" (w) x 16" (h). Shipping weight: 95 lbs.

JF3085 ①.....\$3309.00

#### CP-51 Stabilizer/Dryer Module

2-bath, 2-heater and auto-replenishment device. No plumbing required. Dimensions: 30" (d) x 19" (w) x 16" (h). Shipping weight: 100 lbs.

JF3090 ①.....\$4139.00

Complete CP-51 processor designed for Cibachrome available. Call 1-800-CALUMET for details.



Make consistent professional-quality RA-4, b&w and Ciba P-30 prints up to 12" x 16" with this compact desktop processor. One of the most economical processors in its class, the CP-31 uses only 2 liters of developer. For complete dry-to-dry processing, just add the WD Module. Variable transport speeds from 42 to 420mm per minute. Processes up to 66 8" x 10" prints per hour (RA-4 process at 38° C).

#### **CP-31 Main Body**

Versatile 3-bath, daylight processor. Dimensions: 24" (d) x 24" (w) x 10" (h). Shipping weight: 78 lbs.

JF2075 ①.....\$3499.00

CP-31 Auto-replenishment Upgrade Kit JF2081.....\$734.95

#### **CP-31 WD Module**

Automatically washes and dries prints when connected to CP-31. Dimensions: 24" (d) x 14" (w) x 17" (h).

JF2085.....\$2349.00



#### ThermaPhot ACP505 20" Dry-to-Dry Processor

Designed especially for Kodak RA-4, Fuji FA and b&w processes, the new compact ACP505 includes a built-in infrared dryer for super convenient color prints in as little as 4 minutes! Check out these great features:

■ Built-in auto replenishment system with infrared paper monitor and high performance circulation pumps

■ Variable speed transport up to 35.5 in./min.

#### **Specifications:**

Maximum print size: 20" wide. Color print capacity: 250 - 8 x 10/hour Tank capacity: Five tanks, 5.5 liters each 36.6Lx33Wx17.7H", 110V/60Hz Shipping Weight: 249 lbs.

ACP505A with analog dial controls

DR2134 1 ......CALL

ACP505M with microprocessor controls. 16 programs: 10 preset, 6 user-definable

#### ThermaPhot ACP404 16" Dry-to-Dry Processor



Available in two versions, one for high-speed processes like RA-4, and one for b&w and Xray processing, the ACP404 handles prints up to 16" across and has a built-in infrared dryer. You'll see finished prints in about four mins!

- High performance pumps keep chemistry circulating for efficient processing
- Variable speed motor feeds from 4 to 35.5 inches of paper per minute
- Special spray bar in developer tank for even development
- Optional auto-replenishment system.

#### **Specifications:**

Maximum print size: 16" wide. Color print capacity: 200 - 8 x 10/hour Tank capacity: Four tanks, 4.5 liters each 33.4Lx29.5Wx17H", 110V/60Hz Shipping Weight: 196 lbs.

ACP404 RA-4

DR21320 ......CALL



#### ThermaPhot ACP302V Processor

#### 12" Processor For Home or Studio!

This compact, two-bath roller transport processor will process up to 55 11x14 color prints in an hour. The ACP302 handles RA-4 color and b&w, with variable speed develop times! Special spray bar in the developer rack permits processing of display transparencies.

- Variable speed transport
- Convenient manual replenishment
- Built-in chemical filter in each bath

#### Specifications:

Print size range: 3½" x 5" to 11" x 14" Color print capacity: 90 - 8 x 10/hour Tank capacity: 2.4 liters (expands to 3.4) 19" x 21" x 16", 110V/60Hz, 550w Shipping Weight: 82 lbs.

DR2130 ......CALL

#### ThermaPhot ACP200 Processor

#### Process 60 - 8x10's per hour!

Replacing the ever-popular RCP20, Nutek's ACP200 has a tough act to follow. But being three times faster makes the compact 8" processor a tough competitor.

- Versatile 3-speed transport is compatible with RA-4/FA color, as well as b&w
- Automatically monitors solution temperatures up to 109°F
- Uses only 2.5 liters of chemistry, and can process 60 color 8x10s per hour
- Powerful circulation pump ensures even development and brilliant colors from the least possible chemistry



**Specifications:** 

Print size range: 3½" x 5" to 8" x 10" Print capacity: 60 - 8 x 10/hour Tank capacity: 2.5 liters 24" x 17" x 9", 115V/60Hz Shipping Weight: 47 lbs.

DA2005 (A) ......CALL

• Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck, Freight Collect.

#### **Durst RCD2200 Dryer**

#### The perfect mate to the ACP200!

This compact, high performance print dryer offers continuous feed, variable speed operation. Accepts all RC materials including b&w, color and Cibachrome. Features two temperature settings and foam rubber rollers for safe, gentle transport. DA2010......CALL

# PRINT & FILM PROCESSORS

obo darkroom systems can handle virtually every film and print process available today, including E-6, C-41, RA4, Cibachrome, EP-2 and black & white film and print processing; 16mm, 35mm, 120mm, 220mm, 70mm, and sheet film up to 16 x 20 and print sizes up to 20 x 24.

Jobo processors provide precise temperature control via a thermostatically controlled water jacket, and agitation for repeatable results. No matter what your processing needs might be, Jobo systems can do the job conveniently.

Jobo Processor Comparison Chart	CPE-2 Plus	CPA-2	CPP-2
Bi-directional rotation	*	*	*
Variable Rotation speeds		*	*
4 x 600 ml stock solution	*		
6 x 1000 ml stock solution		*	*
Digital temp. readout	3 250,000		*
Temp. accuracy ± .2 C	*	*	1416
Temp. accuracy ±.1 C	10,0103 N	TOUGA	*
Water jacket pump		*	*
Compatible w/ 1500 Tanks	*	*	*
Compatible w/ 2500 Tanks	*	*	*
Compatible w/ 2800 Drums	*	*	*
Compatible w/ 3000 Tanks		*	*



#### ATL-1000 Processor

JB2035	\$3049.00
Submersible Heater JB2042	\$208.95
Water Pump	
JB2037	\$113.95



#### **CPE-2 Plus Processor**

The CPE-2 Plus is ideal for the darkroom hobbyist. CPE-2 outfit includes processor, graduates and storage bottles. Uses Jobo 2500, 1500, 2800 System tanks (not included). Requires magnets.

JB2001 (A) ......\$449.95

Jobo-Lift for CPE-2 Plus — A quick, neat and efficient mechanical filling and emptying system. Requires Cog Lid for tanks and drums. JB2050 ______\$159.95

E-6 Conversion Kit for CPE-2 Plus — Includes 6-bottle storage rack and 2 additional bottles. JB2007 .....\$28.19

#### **CPE-2 Plus Starter Kit**

 **CPA-2 Processor** 

Jobo's low cost, large capacity, film and print processor. Includes suction pump, graduates, storage bottles, step wedges, and a color thermometer. (*Drums and tanks not included*). Magnets are required.

JB2010 ......\$1029.00

#### **CPP-2 Processor**

Jobo's finest manual processor! Same features as CPA-2, but includes a built-in digital thermometer and cold water solenoid for automatic cooling. (Drums and tanks not included). Magnetic couplings are required.

JB2020 \$1379.00

**Jobo-Lift for CPA-2/CPP-2** — Easily attaches to processors. Requires Cog Lids.

JB2051 .....\$159.95 Jobo-Lift Accessory Kit for CPP/CPA

Processors—Includes Jobo-Lift, #1520 tank (for two 35mm reels) w/cog lid, #2850 drum (for prints up to 16 x 20) w/cog lid, film wiper, one set of film clips, print wiper and film washer. (#1501 reels not included).

JB2052 \$299.95

#### 2500 Processing Tanks and Reels

2500 Series Cog-Lid Tanks Multi-Tank #2523 (2-35mm) JB2400 .....\$39.19 Multi-Tank #2553 (5-35mm) JB2410 .....\$45.29 Multi-Tank #2563 (6-35mm) JB2420 .....\$57.49 Extension Module #2560 (6-35mm) Requires JB2110.....\$33.79 2500 Series tank Duoset Adjustable Reel #2502 (35mm, 120) JB1055 .....\$16.49 Ro-Set Reel #2501 (2-35mm,2-120mm, 1-220mm) Requires Ro-Setloader JB1065. JB1060 .....\$18.49 Ro-Set loader JB1065 .....\$160.95 4 x 5 Reel #2509N (Requires film guide, JB1052 and loader base, JB1051) JB1045 .....\$23.59 4 x 5 Polaroid Pro-Chrome Reel #2514 (Requires film guide and loader base) JB1062 .....\$24.39 Film Guide #2512 **JB1052.....\$21.89** Sheet Film Loader Base #2508

JB1051 .....\$54.69

#### 3000 Series Film Drums

Only to be used with the CPP-2, CPA-2 (with the Jobo-Lift), and ATL-2 processors. #3005 Expert Film Drum (5–8 x 10)

#3010 Expert drum (10–4 x 5) **JB1017** ......\$236.95

#### **2800 Modular Drum Systems**

(Must be used with one of the above drums.)

JB2204 .....\$30.79

Magnet for 1500, 2500 or 2800 Series tanks. **JB2205** .....\$11.99

Cog for 1500, 2500 or 2800 Series tanks. **JB2130** ......\$10.00

Jobo Foot Pump—Removes tank/drum lids
JB1028 .....\$24.89



Both versions of this sink are black ¼" ABS construction and an integral 13" high rear backsplash. The front wall is approx. 6" high. A built-in shelf runs along the top of the backsplash. Precut drain is located at rear center of sink. Available in black only. (Shown with optional stand, faucets and drain.)

The 6' Sink — 72" x 33" O.D.

(69" x 26½" x 6" I.D.) Shipping Wt.: 25 lbs.

DT1001 \$192.95
6' Sink Stand DT1006 \$105.95

The 4' Sink — 48" x 33" O.D.

(45" x 26½" x 6" I.D.)

DT1011 \$149.95
4' Sink Stand DT1016 \$100.95

#### The TRP Sink™

Temperature regulated version of The Sink, ±½°F accuracy, 1–7 GPM flow, ball valve tempered water outlets, armored spray hose with shutoffs and dual scale thermometer.

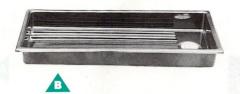
#### Economy Sink (B)

This ABS sink is even more economical because it is UPS shippable. Features a ribbed bottom with drain in the center. (Faucet must be wall mounted.)

Economy Stand
4' Sink Stand DT1009 .....\$97.09

#### **Limited 10-Year Sink Warranty**

Includes sinks, stands, faucet set, spray hose and washer attachment. Water controls are backed by a limited 1-year warranty.



#### SINKS





#### Commercial Sinks (C)

Made of black ¼"-thick ABS plastic with center drain. Space for Faucet Set I provided in the center of rear edge (not included).

(56½" x 24½" x 5" I.D.)
DT1017 ......\$169.95
Commercial Sink Stands

 8' Sink Stand
 DT1025
 \$113.95

 6' Sink Stand
 DT1055
 \$149.95

 5' Sink Stand
 DT1019
 \$106.95

#### Convertible Well Sinks (D)

Great when space is limited. Flat, 5½"-deep sink made of ABS with ribbed bottom and deep end well. Panel Insert covers end well for full length flat sink.

#### 6' Convertible Well Sink

End well is 17" x 23½" x 11½" deep. With optional panel installed, I.D. 69½" x 25½" and 5½" deep. Shipping Wt. 33 lbs.

 DT0998 ①
 \$245.95

 6' Sink Stand Panel Insert
 DT1035
 \$102.95

 Panel Insert
 DT0990
 \$24.95

#### 4' Convertible Well Sink

End well is 17" x 23½" and 10½" deep. With optional panel installed, I.D. 44" x 25½" and 5½" deep. UPS Shippable!

 DT0994
 \$197.95

 4' Sink Stand Panel Insert
 DT0996
 \$106.95

 DT0990
 \$24.95

.......

#### Sink Accessories

Designed to fit all sinks listed on this page. Sets include necessary mounting hardware and instructions.

Drain Set I	DT2000\$13.49
Faucet Set I	DT2010\$56.19
Spray Set I	DT2015\$24.99
Washer I Attachment	DT2005\$13.49



The Image-Pro is a compact and affordable, low-volume film processor which is quick, easy and accurate. Simply load film and chemistry into the processor, select preset processing mode and the Image-Pro does the rest—automatically! Features include:

- Preset programs for E-6 and C-41
- Consistent high-quality results from automatic temperature control
- Program your own process times and temperatures for custom b&w work
- Processes up to four 35mm rolls at once
- Also accepts 120/220 and 4 x 5 with optional reels and drums

This space-saving unit measures 17½" x 18" x 11" and weighs only 36 lbs. Includes 4-35mm reels, 250ml fluid displacer and in-line temperature sensor. **KC2000** .......\$2199.00

#### Image-Pro Heater Recirculator

For precise temperature control ( $\pm \frac{1}{4}$ °F). **KC2100** .....\$576.95

 Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck, Freight Collect.

#### SINKS

#### CALUMET CUSTOM SINKS

alumet offers its highest quality stainless steel sinks made to meet the highest darkroom standards and feature the best materials available. In addition to the featured standard sinks, we'll be happy to work with you to customize a sink from the standard options or add special features or sizes if desired. Our goal is to provide a lifetime of darkroom satisfaction. For more information on Calumet's Custom Sinks, call toll-free, 1-800-CALUMET.

#### Calumet Econosinks (A)

Constructed of type 316 stainless steel, easy to clean and fully insulated for high-temperature processes. Includes 1½" stainless steel drain, in rear right, and PVC stand pipe. Requires some assembly. (For outside dimensions, add 2".)

- Optional floorstand is 36" high; made of zinc plated steel; coated with black epoxy, includes leveling feet and storage shelf.
- Optional backsplash is 6" high, detachable and made of stainless steel.
- Optional plumbed backsplash is 12" high, made of stainless steel with ½" wood backing. Includes automatic mixing valve; thermometer; water filter; 2 water outlets; 2 check valves and 2 shutoffs.



Featuring type 316 photographic-grade stainless steel sink pans, aprons and bases... with ½" thick double wall insulation on all four sides and bottom for better temperature control of processing. Bottom and sides are fully braced for maximum load strength. Includes 1½" stainless steel drain in rear right. Stand pipes optional.

The optional stainless backsplash is fully self-supporting. Its 3" deep, 7" high dimensions conceal piping or panel mounting of temperature control devices. To upgrade to a fully plumbed backsplash, see TRP sinks

on page 193. The optional storage shelf is full size and made of type 316 stainless steel.

Optional cove corner construction is available on all deluxe sinks. All interior corners are rounded so that sinks are easier to clean for longer life.

Dimensioning: For outside dimensions add  $2\frac{1}{2}$ ". Add 3" additional for sinks with backsplash. Overall height of all sinks is 36".

#### **Econo Sinks**

Sink Inside		sink 🛈	Floor Stand	w/Shelf* T	Backsp	lash* 🛈	Plumbed Bac	ksplash* 🕡
Dimensions	Model No.	Price	Model No.	Price	Model No.	Price	Model No.	Price
24 " x 48" x 5"	AY0401	\$398.95	AY0411	\$181.95	AY0421	\$128.95	AY0426	\$658.93
24 " x 60" x 5"	AY0402	\$423.95	AY0412	\$189.95	AY0422	\$140.95	AY0427	\$699.9
24 " x 72" x 5"	AY0403	\$491.95	AY0413	\$208.95	AY0423	\$160.95	AY0428	\$735.9
24 " x 84" x 5"	AY0410	\$549.95	AY0415	\$218.95	AY0425	\$178.95	AY0429	\$768.9
30 " x 48" x 7"	AY0351	\$508.95	AY0461	\$193.95	AY0371	\$128.95	AY0376	\$658.9
30 " x 60" x 7"	AY0352	\$558.95	AY0462	\$215.95	AY0372	\$140.95	AY0377	\$689.9
30 " x 72" x 7"	AY0353	\$654.95	AY0463	\$221.95	AY0373	\$156.95	AY0378	\$720.9
30 " x 84" x 7"	AY0360	\$719.95	AY0465	\$235.95	AY0375	\$178.95	AY0379	\$751.9

#### **Deluxe Sinks**

Sink		ink 🛈		d Corners T	Back	splash* 🛈	Shel	f* <b>O</b>	Sink	Mat
Inside Dimensions	Model No.	Price	Model No.	Price	Model No.	Price	Model No.	Price	Model No.	Price
23½" x 48" x 4½"	AY0109	\$1179.00	AY01095	\$1499.00	AY0141	\$193.95	AY0209	\$302.95	AY0243	\$87.29
23½" x 72" x 45%"	AY0113	\$1269.00	AY01135	\$1649.00	AY0143	\$215.95	AY0213	\$368.95	AY0245	\$130.95
23½" x 84" x 45%"	AY0114	\$1359.00	AY01145	\$1739.00	AY0144	\$225.95	AY0214	\$387.95	AY0246	\$154.95
23½" x 108" x 4½"	AY0116	\$1779.00	AY01165	\$2269.00	AY0146	\$269.95	AY0216	\$450.95	AY0248	\$200.95
23½" x 48" x 9¼"	AY0118	\$1379.00	AY01185	\$1709.00	AY0141	\$193.95	AY0209	5302.95	AY0243	\$87.29
23½" x 60" x 9¼"	AY0119	\$1419.00	AY01195	\$1739.00	AY0142	\$213.95	AY0211	5324.95	AY0244	\$109.95
30" x 60" x 7"	AY0125	\$1499.00	AY01255	\$1829.00	AY0142	\$213.95	AY0225	5376.95	AY0250	\$142.95
30" x 84" x 7"	AY0127	\$1659.00	AY01275	\$1209.00	AY0144	\$225.95	AY0227	\$450.95	AY0252	\$200.95
30" x 96" x 7"	AY0128	\$1839.00	AY01285	\$2209.00	AY0145	\$252.95	AY0228	\$472.95	AY0253	\$231.95
30" x 118" x 7"	AY0130	\$2079.00	AY01305	\$2619.00	AY0147	\$302.95	AY0230	\$604.95	AY0255	\$283.95
34" x 96" x 4 %"	AY0133	\$2029.00	AY01335	\$2399.00	AY0145	\$252.95	AY0233	\$534.95	AY0258	\$283.95
34" x 118" x 4 %"	AY0135	\$2559.00	AY01355	\$3099.00	AY0147	\$302.95	AY0235	\$681.95	AY0260	\$353.95

^{*}Floor stands, shelves and backsplashes ordered separately are subject to a \$75.00 packing charge. NOTE: Stainless steel sinks are not subject to the standard Calumet return or cancellation policy.

#### **Calumet TRP Sinks**

#### With Precise Temperature Control!

A complete processing sink that's ready to operate with minimum assembly and set-up. This Deluxe Sink comes with a factory-plumbed, 11" high x 5" deep, stainless steel backsplash, complete with tempered water outlets. The TRP sink will add consistency, and convenience to all processing applications with these features:

- Thermostatic mixing valve WR-2
  Accurate to ±0.5°F rated at 2-7 GPM,
  panel mounted and factory plumbed with
  thermometer, water inlets with strainers,
  check valves and service shut offs. All
  outlets have quick ¼" turn volume controls
  with lever handles
- Two auxiliary water outlets
   On tempered water line with garden hose type threads perfect for film or print washing units with vacuum breakers
- Tempered water-jet outlet
  For an even fan of tempered water across
  sink bottom with vacuum breakers
- Tempered water spray hose unit
  With additional shut-off valve to reduce
  pressure to the spray head when not in use
- Built-in leg-levelers
  For convenient installation and operation
- Factory Plumbing
  Features hard copper tubing line
  connections-fully brazed and tested

These high quality, 316-type stainless steel sinks will provide years of dependable service for even the busiest darkroom facilities.



Sink	TRP	Sink 🛈	TRP Sink w/C	oved Corners		Shelf <b>T</b>	Sink	Mat
Inside Dimensions	Model No.	Price	Model No.	Price*	Model No.	Price	Model No.	Price
23½" x 48" x 45%"	AY0309	\$2489.00	AY03095	\$2799.00	AY0209	\$302.95	AY0243	\$87.29
23½" x 72" x 4½"	AY0313	\$2649.00	AY03135	\$2989.00	AY0213	\$368.95	AY0245	\$130.95
23½" x 108" x 4½"	AY0316	\$3229.00	AY03165	\$3669.00	AY0216	\$450.95	AY0248	\$200.95
23½" x 36" x 9½"	AY0317	\$2599.00	AY03175	\$2889.00	AY0208	\$283.95	AY0242	\$69.09
23½" x 48" x 9½"	AY0318	\$2709.00	AY03185	\$3009.00	AY0209	\$302.95	AY0243	\$87.29
23½" x 60" x 9½"	AY0319	\$2699.00	AY03195	\$3049.00	AY0211	\$324.95	AY0244	\$109.95
30" x 60" x 7"	AY0325	\$2749.00	AY03255	\$3019.00	AY0225	\$376.95	AY0250	\$142.95
30" x 84" x 7"	AY0327	\$3119.00	AY03275	\$3389.00	AY0227	\$450.95	AY0252	\$200.95
30" x 118" x 7%"	AY0330	\$3120.00	AY03305	\$3879.00	AY0230	\$604.95	AY0255	\$283.95
34" x 96" x 4 %"	AY0333	\$3409.00	AY03335	\$3779.00	AY0233	\$534.95	AY0258	\$283.95
34" x 118" x 4 %"	AY0335	53969.00	AY03355	\$4519.00	AY0235	\$681.95	AY0260	\$353.95

^{*}Shelves ordered separately are subject to an additional \$75.00 packing charge.

NOTE: Stainless steel sinks are not subject to the standard Calumet return or cancellation policy.

#### **Stainless Steel Standpipes**

Convert a sink to a water jacket. Installed in the drain, the standpipe will maintain a constant water level for controlling the temperature of processing solutions.

3" Water Level	AY4110\$31.	69
5" Water Level	AY4112\$38.	39
7" Water Level	AY4114\$38.	39

#### **Calumet Sink Mat**

Fabricated of soft ribbed PVC which is fully resistant to photographic chemicals. The lattice construction supports small items conveniently and features special slots for efficient drainage.

23½" x 24"	AY0261A	\$45.80
23½" x 36"	AY0261B	
29" x 24"	AY0262A	
29" x 36"	AV0262B	\$92.09

Note: Sinkmats are stocked in 2 ft. (A) and 3 ft. (B) sections for easier cleaning. If you require a mat 5 ft. long, order:

1 x AY0261A 2 ft.

 $1 \times AY0261B \ 3 \ ft. \qquad 5 ft.$ 



All sinks, stands, backplashes, and shelves require shipping by truck. Due to the custom manufacture of stainless steel sinks please allow 4 - 6 weeks for delivery.



These tough, polypropylene housings are

installation and quick filter changes. Features

3/4" NPT inlet and outlet for standard piping,

in-line installation and top-seated, Silicone

connections are required for installation.

Rated at 125 p.s.i. at 125°F. One 20-micron

AT0100.....\$32.99

Rated at 200 p.s.i. at 200°F. One 20-micron

AT0200.....\$79.79

Ametek Valve-in-Head Water Filter

Built-in shut-off mechanism allows inlet and

outlet ports to be closed for quick cartridge

changes. Made of clear styrene-acrylonitrile

performance. This cold water filter housing

is rated at 125 psi at 125°F and requires

9¾" replacement filter cartridge.

**Filter Installation Kit** 

for on-site examination of flow and cartridge

AT0250.....\$38.79

Includes two shut-off valves and compres-

adaption to ½" pipe and teflon tape.

sion fittings for 3/4" pipe, rubber reducers for

AT0320.....\$24.09

designed for maximum insulation, easy

"O" ring. Meets Water Conditioning

See our Filter Installation Kit below.

Cold Water Filter Housing (FCC-10)

Hot Water Filter Housing (FCH-10)

sediment cartridge included.

sediment cartridge included.

Foundation standards. Accepts 93/4"

replacement cartridges. Plumbing

#### Replacement Filter Cartridges

Micron size refers to the smallest particle cartridge will filter. For cold and hot water use. Sold in pairs only.

20-Micron Sediment Cartridges (Model S1) Pleated, resin-impregnated, cellulose cartridge designed to remove sand, silt, rust particles, etc. and scale. Max. temperature: 145°F. Does not fit Valve-in-Head Housing. AT0305 (B) .....\$6.80

These spun polypropylene cartridges resist bacterial build-up. Nominal for normal filtration. Max. temperature: 145°F.

5-Micron Sediment Cartridges (Model P5) Extra-fine polypropylene filtration. Max. temperature: 145°F.

These activated carbon, cellulose cartridges remove foul odors, chlorine taste, sand, silt, rust particles and other sediment particles.

#### **Calumet Water Filter Package**

incoming water supplies! Includes one each Hot and Cold Water Filter Housings, four 20-micron Sediment Cartridges, two Filter Installation Kits and two Wall Brackets. **Special Package Price** 

AT0060 .....\$136.95

1 Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck, Freight Collect.

All models listed are 9¾" long, 2½" diameter.

25-Micron Sediment Cartridges (Model P25)

AT0306 (A) ......\$7.25

AT0307.....\$7.45

5-Micron Carbon Cartridges (Model C1)

Max. temperature 125°F.

AT0310 (C) ......\$13.99

#### All you need to filter your darkroom's

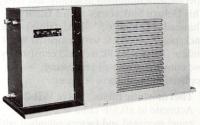


# **Jobo TBE2 Tempering Box**

Storage capacity is designed for 6-1000 ml bottles and 6-260 ml graduates. Dimensions: 12" x 10". Temperature range: 68-113°F (±0.36°F accuracy). Comes with six bottles and six 260 ml color-coded graduates. JB2060 .....\$378.95

#### Jobo TBE-12 Tempering Box

Tempers up to 12-one liter bottles. Temperature range: 68-113°F (±0.36°F accuracy). Includes 12-one liter bottles. JB2065 (D) .....\$391.95



#### **Calumet Water Chillers**

Reduce incoming water temperature when tap water rises above required processing temperatures in the summer. Cools water to an adjustable temperature from 47-68°F. The Water-cooled Chiller is recommended when room temperatures approach 100°F, or excessive dust and lint are present. The Air-cooled model requires ventilation.

Water-cooled Water Chiller

32 gal. cap. Shipping Weight: 115 lbs. CP9100 ① .....\$1095.00

Air-cooled Water Chiller

30 gal. cap. Shipping Weight: 122 lbs. CP9105 ① .....\$999.95

#### Calumet **High-Temp** Recirculator

For precise and efficient temperature control in a sink or water bath. Features stainless steel exterior

housing, seal-less magnetic drive pump and 1000 watt heating element housed in a P.V.C. tank. Temperature range 75-115°F with ±0.25°F accuracy.

Weight: 20 lbs. Dimensions: 8½" x 14" x 7¼" CP5026.....\$499.95

#### Refrigeration/Heater Recirculator

Designed to maintain preadjusted waterjacket temperature to within 0.5°F. Recirculates up to 30 gallons per hour, with settings from 50-85°F. Features air-cooled compressor. 17" x 28" x 18" Shipping Weight: 130 lbs.

CP9110 ① ......\$1579.00



Delivers contamination-free

water over an operating range of 60-110°F, and at flow rates from 0.2-4 GPM. Electronic sensors respond instantly to temperature changes in incoming water. WL1000 .....\$1099.00







## T E M P E R A T U R E C O N T R O L

# FOR PRECISION PROCESSING

alumet offers seven different models of water temperature control, regulating valves in order to meet a variety of needs and budgets of our customers.

All models offer the following:

- Accurate temperature control to ±.5°F and temperature range from cold to 105°F
- Large, easy-to-read dial thermometer with recalibration capabilities
- Flow control and shut-off valves and built-in vacuum breaker, check stops
- Stop & check valves
- Standard ½" NPT inlets
- Fully assembled and factory tested. All internal parts are user-replaceable.

*Plumbing connections required.

#### WR/WRP Series Valves (A)

Feature efficient ½" outlets and removable inlet filter screen. Choose from two flow rates, and from single-stage (temperature control) or dual-stage (pressure and temperature control).

WR-1 Single-Stage Valve (½ to 2 ½ GPM)

CP0502* .....\$399.95

WR-2 Single-Stage Valve (2-7 GPM)

CP0505* .....\$399.95

WRP-1 Dual-Stage Valve (½ to 2 ½ GPM)

CP0602* .....\$439.95

WRP-2 Dual-Stage Valve (2-7 GPM)

CP0607* .....\$439.95

#### WER Series Valves (B)

These economical valves feature 1–4 GPM flow rates and ¾" outlets. Both WER-3 and WER-4 valves include a removable inlet filter screen, and the WER-4 features pressure control.

WER-1 Single-St	age Valve
CP0501*	\$249.95
WER-3 Single-St	age Valve
CP0705*	\$299.95

CP0707* .....\$399.95

WER-4 Dual-Stage Valve

Valve Restoration Kits
All Calumet valves are user-

serviceable with these kits, which include all internal parts, valves, pistons, rings, gaskets and instructions. When installed, the entire valve will be restored to its original operating condition.



For WR-2, V	WER-1, WI	ER-3
LL0503		
For WR-1		
For WRP-1	LL0602	\$209.95
For WER-4	and WRP-2	2
LL0603		\$209.95



#### WCP 15 Temperature Control Panel

Replacement Water Filter
Cartridge (4 per pkg.)
AY0439 .....\$20.00

*Plumbing connections required.



## WCP 25 Temperature Control Panel

Provides a thermostatic mixing valve for accurate temperature control. It features preplumbed mixing valve, 3" dial thermometer, flow control valve, ½" N.P.T. inlet connections, ¾" garden hose outlet connection, hot and cold water check valves, and a 30 micron reuseable water filter. This unit maintains ±0.5°F accuracy at normal flow rates of 1-5 GPM. Accessories include an optional vacuum breaker and spray hose which require user installation.

AY0435* .....\$359.95 Replacement Water Filter

Cartridge (4 per pkg.) AY0439.....\$20.00

#### Flowmeter I

#### Saves precious water

Stainless steel mechanism meters fluid flow rates from ½ to five gallons per minute with ±2% accuracy. Rated to 150 psi. Female (½") pipe threads at both ends. Five year limited warranty. DT2030* \$61.39



#### Water Temp II

Water control center, 3" thermometer, with F°/C° scale, garden hose thread at both ends, built in shutoff valve. Lets you measure your water temperature mix. 5-year limited warranty.

DT2021* \$56.19



Accessories for WCP Valves

Hose and Spray Unit w/shut-off AY0433*.....\$32.95

Vacuum Breaker With Fittings (partially assembled)
AY0438*.....\$26.95



## SHEET FILM PROCESSING







#### **Thermometers**

#### **Kodak Process Thermometer**

Precision made "industry standard" Dual scale, 12 to 60°C and 55 to 140°F. Accuracy ±.025°F. Glass in stainless steel sheath.

KK9496......\$96.59

#### **Color Thermometer**



Weston 1¾" Dial Thermometer

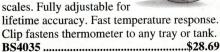
Stainless steel. Accuracy ±0.25°F. **BR8200......\$31.09** 

Weston 3" Dial Thermometer

Dual scale, 6" stem. Accuracy ±0.25°F. **BR8210.....\$33.09** 

#### **Beseler Thermometer**

Precision dial thermometer with 60-160°F. range, accurate to ± ½° in most-used 68-100° range. Big 2½" dial with glow-in-the-dark numbers, with Fahrenheit and Celsius scales. Fully adjustable for



#### HP Combi Plan T 4 x 5 Daylight Processor

A convenient and compact daylight sheet film processing system which is ideal for location processing or where space is a premium. Features removable and adjustable negative carrier designed for sure loading in the dark. Utilizes the same inversion agitation method as a standard 35mm roll film daylight tank. Tanks require only 35 oz. of solution and will process up to six 4" x 5" black and white or color sheets of film at a time. Includes 2 hose connectors, funnel, carrier, tank and lid.

HC1000 ......\$56.89
Plan T Tank Only (without pouring spout)
HC1050 .....\$21.49

Daylight lid, (without stopper)
HC1055 .....\$8.00

Screw-in stopper **HC4060** ......\$2.50



#### Jobo System 2500 Sheet Film Kits

#### Single Reel Sheet Film Kit

Contains one 6-sheet capacity sheet film reel and convenient loading stand. The tank capacity is 1350cc and may be used for inversion agitation, roller bases, or Jobo Processors.

JB1000 ......\$122.95

#### Two Reel Sheet Film Kit

Consists of two sheet film reels, loader, and 2850cc tank, (12 sheet capacity)

JB1002 ......\$142.95

See page 174 for the complete line of Jobo Processors.



#### **Kodak Hard Rubber Tanks**

#### 4" x 5" Half Gallon Tank

Takes six 4" x 5" or smaller film developing hangers.

KK9410 .....\$23.49
Floating Lid For Half Gallon Tank

KK9470 ......\$9.79 5" x 7" 1 Gallon Tank

Takes eight 4¾" x 6½", or 5" x 7" film developing hangers.

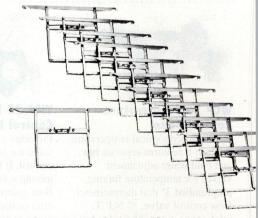
KK9420 ......\$28.99

5 x 7 Floating Lid For 1 Gallon Tank KK9471 ......\$12.49

8" x 10" 3½ Gallon Tank

Takes twelve  $8" \times 10"$ , or twenty  $5" \times 7"$  film developing hangers.

KK9472 ......\$14.79



#### Calumet Stainless Steel Sheet Film Hangers

4" x 5" Single	CP9080	\$8.95
4" x 5" 4-up	CP9081	\$39.95
8" x 10"	CP9082	\$14.50

#### Kodak Stainless Steel Sheet Film Hangers

4" x 5" Single	KK9329	\$21.99
4" x 5" 4-up	KK9345	
8" x 10"	KK9335	\$29.99

# ROCES



**Paterson Tanks** and Auto Load Reels

Super System 4 Tanks feature a strong, durable leak-proof design and are extremely fast to fill and empty for more precise processing times. Comes with snap-in light trapping funnel and flexible, easy-to-remove PVC cap. For rotary or inversion agitation.

35mm	Tank	w/ree

PA1300	\$24.59

Universal Tank w/reel (For 35mm or 120/220 rolls. Holds second 35mm reel.) PA1305.....\$25.49

Multi-Reel 3 w/o reel (Holds 3-35mm or 120/220 rolls. Accepts Auto-Load Reel.)

PA1310.....\$25.09 Multi-Reel 5 w/o reel (Holds 5-35mm or

2-120/220 rolls. Accepts Auto-Load Reel.) PA1315.....\$33.89

Multi-Reel 8 w/o reel (Holds 8-35mm or 5-120/220 rolls. Accepts Auto-Load Reel.

PA1320.....\$52.59 Auto-Load Adjustable Reel (For 35mm or 120/220 rolls.)

PA1020.....\$7.75



**Base Agitator** Dual operation modes provide the option of continuous (one direction) agitation or automatic intermittent reversing action. BS4030.....\$145.95

#### **Processing Drums**

Ilford 8" x 10" Processing Drum IK1081	\$26.95
Ilford 11" x 14" Processing Drum	
Requires 8" x 10" Drum IK1081	

IK1114.....\$18.95 Ilford 16" x 20" Processing Drum

IK1620 ......\$59.95

Beseler 8" x 10" Processing Drum BS4005.....\$29.69

Beseler 11" x 14" Processing Drum BS4010.....\$58.69

Beseler 16" x 20" Processing Drum

BS4014.....\$113.95



Kindermann Stainless Steel **Developing Tanks** 

This is perhaps the best roll film processing system that we have seen. Made of the highest quality materials available, this system offers fast, efficient, internal flow control which saturates all the film instantly for the most even development. Leak-proof, snug-fitting PVC tops for immersion agitation. Corrosion-proof tank is made of super quality nickel stainless steel. Tanks do not include reels.

Tank for 1-35mm reel (7.4 oz.)

KD2000	 \$31.4	1

Tank for 2-35mm or 1-120mm reel (13.4 oz) KD2010 ......\$38.79

Tank for 4-35mm or 2-120mm reels (30 oz.) KD2020 .....\$109.95

Tank for 1-70mm reel (Dukalit PVC, 7.4" dia.) KD2050 .....\$164.95

#### Kindermann Stainless Steel **Developing Reels**

These chrome-nickel steel reels are unbreakable, resistant to chemicals, heat resistant and can be used even when wet. They provide for reliable reverse exposure of reversal films. Only fractions of a millimeter of the film area are in contact with the reel. Precisely dimensioned for the appropriate film size.

35mm reel KD1000.....\$25.19 KD1010.....\$25.19 120mm reel 70mm reel (for up to 16' lengths) KD1030 .....\$204.95

#### Kindermann Film Loaders

The best and quickest way of loading film onto



scratching or leaving fingerprints. (For use with Kindermann reels only.)

35mm loader KD1050.....\$8.10 120mm loader KD1060.....\$8.95



With easy-pour PVC tops and tabbed lids for timely removal. Calumet stainless steel tanks and reels are reasonably priced and represent a best value. Tanks do not include reels.

#### Stainless Steel Tanks

35mm Tank (1-35mm reel)	
CP9073	\$8.10
100 T 1 (0.05 1.100	

120mm Tank (2-35mm or 1-120mm) CP9074.....\$13.39

7" Tank (4-35mm or 2-120mm) CP9078.....\$28.89

12" Tank (8-35mm or 4-120mm) CP9079.....\$53.49

#### Stainless Steel Reels

35mm reel	CP9075	\$6.90
120mm reel	CP9076	\$7.55
220mm reel	CP9077	\$8.80



#### Jobo 1500 Tank System

For inversion and rotary processing. 1530 Tank Module can be added to any tank for greater capacity. All tanks, except #1530, include one reel

include one reel.	
System 1500 Tanks	
#1510 35mm Tank (1-35mm)	

JB2230 .....\$30.67 #1520 Uni-Tank (2-35mm) JB2301 .....\$22.49

#1540 Multi-Tank (4-35mm) JB2302 .....\$32.09

#1530 Tank Module (3-35mm) JB2310 ......\$16.39

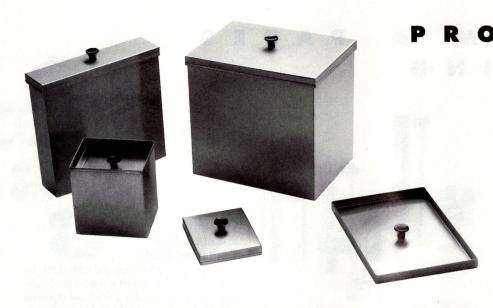
#1526 Combo (5-35mm or 1-8 x 10 print) JB2315 .....\$39.79

#### System 1500 Reels and Accessories

#1501 Adjustable reel (For 35mm, 120/220 rolls.)

JB2330 ......\$7.50 Magnet (For magnetic drive processors)

JB2205 .....\$11.99



## Calumet Stainless Developing Tanks and Accessories

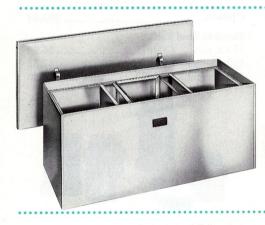
Type 316 stainless steel processing tanks and accessories are corrosion-resistant to all photographic solutions including color bleaches and rapid fixers. Long-life construction and low price make them the best value obtainable in photographic processing equipment.

#### Accessories available include:

- Floating lids to prevent oxidation.
- Dust covers to prevent contamination.
  - Racks to hold cut film hangers and reels.
- Racks with gas burst distributors are also available.

Tank	Inside	Film	Film	35mm	Ta	nk	Floa	t Lid	Dust	Cover	Hang	er Rack
Cap.	Dimensions	Size	Hangers	Reels	Cat. No.	Price						
1/2 gal.	4½" x 5½" x 6"d	4" x 5"	12(7)*	3	CP0372	\$59.95	CP0373	\$34.95	CP0374	\$36.95	AY8030	\$73.95
1 gal.	5½" x 9" x 6"d	4" x 5"	24(15)*	6	CP0362	\$71.95	CP0363	\$34.95	CP0364	\$36.95	AY8025	\$73.95
1 gal.	2½" x 10½" x 10½"d	8" x 10"	6(4)*	N.A.	CP0375	\$79.95	CP0376	\$34.95	CP0377	\$36.95	AY5526	\$74.95
2 gal.	43/8" x 10 1/8" x 103/8"d	8" x 10"	12(7)*	15	CP0365	\$84.95	CP0366	\$41.95	CP0367	\$42.95	AY5520	\$74.95
3½ gal.	71/8" x 101/8" x 101/2"d	8" x 10"	12(7)*	30	CP0352	\$93.95	CP0353	\$41.95	CP0354	\$42.95	AY5510	\$74.95

^{*}Higher number is individual hangers closely spaced. Lower number is capacity with rack.



#### **Temp Tanks**

These film processing sets include a type 316 stainless steel water jacket with 3/8" IPS water inlet and 1" IPS water outlet that provides a water bath around the chemical tanks allowing close temperature control.

information. (Temp Tank shown at left with optional hanger rack.)

Temp Tank
Cat. No. Price Cat. No. Price

Each unit includes two chemical tanks,

with room in the center for a water rinse or a

third tank. Extra tanks and floating lids are

available, see the chart above for ordering

# Tank Nominal Outside Operations Temp Tank Cover Cover Cat. No. Price Price Price Cat. No. Price Price Cat. N

#### Calumet Chemical Mixer/Transfer Pump

This 15 gallon capacity unit has a special valve assembly allowing you to switch from mixing to transfer mode without touching chemicals or hose.

Standard 8 ft. flexible hose and storage stand with casters provides easy transfer of mixed liquids from room to room.

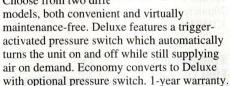
Dimensions: 18" x 18" x 32½"

Note: Base requires some assembly.

CP5015.....\$592.95

#### Beseler DG 100 Air Compressor

This environmentfriendly and economical alternative to canned air comes with a 12' coiled hose trigger-activated nozzl Choose from two diffe





#### Gas Burst Timer

The solid state design of the Arkay BT-210A gas burst timer means



greater reliability and accuracy at the lowest possible cost. Features dual solenoid control so that both nitrogen and air can be used in the same timer. A conveniently located switch lets you instantly select nitrogen or air agitation.

Gas Burst Timer Hose ¼" I.D.

AY9025 .....(per foot) \$1.69

# COMPETITIVE PRICES!



#### Calumet **Stainless Steel Trays**

These Type 316 Stainless Steel trays are heliarc welded, ground, polished and passivated so that

the finished tray is one-piece seamless construction. Easy to clean, resists stain and provides highest temperature conductivity. Calumet trays give you years of quality performance. Available in 7 sizes to fit standard material size — other sizes can be made to your specifications. Prices on request.

For Size			
	Inside Dimensions	Cat. No.	Price
11" x 14"	12" x 15" x 3"	AY7110	\$ 76.95
14" x 17"	15" x 18" x 3"	AY7115	\$ 83.95
16" x 20"	17" x 21" x 3"	AY7120	\$ 96.95
20" x 24"	21" x 25" x 3"	AY7130	\$127.95
11" x 14"	12" x 15" x 5"	AY7150	\$119.95
16" x 20"	17" x 21" x 5"	AY7160	\$121.95
20" x 24"	21" x 25" x 5"	AY7165	\$173.95

For outside dimensions, add 3/4" to I.D. listed below.

#### **Removing Stains from Stainless Steel**

The best way to remove chemical deposits is scouring them with a non-abrasive cleaner. Steel wool or steel brushes should never be used because of the immediate rusting that will occur.

#### **Photofinish Cleaner**

This multi-purpose darkroom cleaning paste will clean stainless steel, procelain, formica and hard rubber. 22 oz. PZ1020 .....\$7.00



#### **Tray Ladders**

Conserve space, stack three developing trays in the space of one with tray ladders. Made with epoxy coated, zinc plated steel and designed for use with all trays. Stores flat. Holds three

11 X 14 or small	er trays.
AY0455	\$33.95
Holds 3-16" x 20"	or smaller trays.
AY0456	\$43.95



#### **Paterson Developing Trays**

These strong and thick polypropylene trays feature base ribbing for maximum economy of solution, a thermometer rest for solution temperature check and an extra large pouring lip. Single Travs

DILL TICK	, 0	
5" x 7"	PA0571	\$2.94
8" x 10"	PA0820	\$3.39
12" x 16"	PA1218	\$7.95
16" x 20"	PA1620	\$16.95
20" x 24"	PA 2024	\$54.95



heavyweight high-impact plastic trays. Maximum corrosion resistance—58% solution of acetic acid. Safe for normal photo processing.

5" x 7"	CS7505	\$3.49
8" x 10"	CS7510	\$6.95
11" x 14"	CS7513	\$10.95
14" x 17"	CS7514	\$16.95
16" x 20"	CS7515	\$21.95
20" x 24"	CS7517	\$35.95

#### Cesco-Lite **Dimple Bottom Trays**

Dimple bottom trays? These high impact plastic trays feature rows of convex "dimples" which suspend prints for even processing on both top and bottom, and facilitate print removal.

8" x 10"	CS7525\$7.95
11" x 14"	CS7526\$11.95

TO ORDER

#### Cesco-Lite **Deep Hypo Bath Trays**

These extra-deep (5-6") trays are perfect for a pre-rinse holding bath, a hypo-eliminator/toning bath or even as an RC or color print washer when used with Kodak's Automatic Tray Siphon (KK9473).

11" x 14"	CS7520\$27.95
16" x 20"	CS7521\$35.95



#### **Stainless Steel Tongs**

Tongs specifically designed to prevent emulsion damage or scratching. If excess finger pressure is applied, the tongs will release. Numbered set of 3 with handy, wall mount rack. KS5000 .....\$24.09



#### **Bamboo Print Tongs**

These 9" tongs feature soft, nonscratching rubber tips which are color-coded to prevent confusion and possible chemical contamination. Set of 3. BR1137 .....\$4.39



#### **Calumet Stainless Steel Graduates and Mixing** Beaker (A)

1 gallon Mixing Beaker	
VL9030	\$42.49
128 oz. Graduate	
AY0440	\$69.95
64 oz. Graduate	
AY0444	\$44.99
32 oz. Graduate	
AY0442	\$27.95

#### Paterson Graduates (B)

Features clear, cylindrical laboratory design for accuracy, tip-free base and dripless spout. 1.5 oz. **PA4301.....\$5.50** 5 oz. **PA4302.....\$5.95** 11 oz. **PA4303.....\$6.95** 22 oz. **PA4304.....\$10.00** 42 oz. PA4305 .....\$14.99

#### Paterson Beakers (C)

For measuring and mixing all darkroom chemicals. Features unbreakable construction, ribbed handles for firm grip, even when wet, and anti-tip base. 32 oz. PA4309 .....\$8.95 64 oz. PA4310 .....\$15.99

#### **Kodak Automatic** Trav Siphon (D)

Clips over the lip of tray to provide water flow across top surface. Includes faucet connector and 3' of 3/8" rubber tubing. KK9473 .....\$40.99

#### Filter Funnels (E)

Constructed of thick white polyethylene with fine-mesh stainless steel filter. 500 ml. DT5112.....\$2.29 1000 ml. DT5114.....\$2.99

Film Clips (F) (4 per set) With two regular and two lead weighted stainless steel clips. CP7598 .....\$4.50

#### Datatainer Storage **Bottles**

These durable brown polyethylene bottles keep chemicals air-tight and lighttight.



BM0032...\$2.03 1 qt. (32 oz.) ½ gal. (64 oz.) BM0064...\$2.70 1 gal. (128 oz.) BM0128...\$2.79

#### **Film and Print Squeegees**

#### Paterson Film Squeegee

Removes excess moisture and prevents drying marks on film. Extra soft rubber blades remove excess moisture from film without scratching. 3" long wiping blades are suitable for all films up to 4 x 5.

PA1005 .....\$10.49

#### Paterson RC Print Squeegee For rapid, even drying of prints up to 16 x 20.

PA1010 .....\$35.09 **Darkroom Sponge** (3½" x 5½" x 1½") DT3200 .....\$2.99

#### **Photo Chamois**

Removes excess water from film. KK9774 .....\$10.09

#### **Smoothee Squeegees**

Soft rubber blade. Perfect for prints.

14" BR1200 (G).....\$11.79 19" BR1210.....\$14.69



#### **Polyethylene Storage Tanks**

All tanks come complete with dust cover and spigot.

2 gallon Tank
8¼" (w) x 11½" (h).
DN5000\$21.95
Floating Lid for 2 gal. tank
DN5005\$4.75
5 gallon Tank
10¾" (w) x 16¼" (h).
DN5010\$26.99
Floating Lid for 5 gal. tank
DN5015\$5.50
10 gallon Tank
14½" (w) x 16½" (h).
DN5020\$35.29
15 gallon Tank
14" (w) x 25" (h).

DN5030	\$49.99
Floating Lid for 10	& 15 gal. tank
DN5035	\$7.25

30 gallon Tank 18½" (w) x 33" (h).

DN5040.....\$80.99 Floating Lid for 30 gal. tank DN5045 .....\$14.50

#### **Darkroom Aids**

#### White Cotton Gloves

For handling negatives and prints. (10 pairs per pkg.) Small KK9492.....\$23.99 Large KK9493 .....\$23.99

#### **Kimwipes**

Wipes liquid and dust from delicate surfaces. 4.5" x 8.5" (280 cnt.)

BR4210 .....\$1.99 15" x 17" (140 cnt.)

BR4215 .....\$5.99

#### **Photowipes**

Lint-free wipes for cleaning lenses and carriers and removing surface moisture from negatives.

13½" x 17½" (50 cnt.) PM6700 .....\$4.20



#### **Anti-Static Brushes**

These full-bodied fiber brushes whisk away dust & lint naturally, without radioactivity.

Kinetronics 1" Static	Whisk
BR8600	\$13.99
Kinetronics 4" Static	Whisk
BR8605	\$22.99

#### Oriental Variable Contrast Filters

Made of rigid, color-fast acrylic, Seagull Professional Plus Variable Contrast filters are moisture- and scratch-resistant, easy to clean and can be scissor-cut to size. They provide a full and accurate contrast range from 0-5 with ½ grade increments. The set includes 11 full- or half-grade filters, providing precise contrast control over each negative. Filters 0-3½ use standard exposure (1X), while 4-5 require 2X the standard exposure. Can be used above or below the lens.

3" x 3" Filter Set

OR30001 (H) ......\$26.19

6" x 6" Filter Set

OR30002 .....\$36.95

#### **Ilford Multigrade Filters**

These optically pure filters can be fitted to the enlarger above or below the lens. Ilfospeed filters are easy to use, eliminating the need for complicated calculations when changing from one filter to another. For Ilford Multigrade papers. Sets include 11 filters.

6" x 6" for use above	elens
IL0056 (I)	\$28.95
3½" x 3½" for use abo	ove lens
IK0052	\$18.29

2" x 2" for use below lens **IL.0050......\$25.99** 

#### Spot-Lite Glow-in-the-Dark Tape

Non-toxic phosphorescent vinyl tape makes for safe darkroom navigation.

1" x 5 yds.

DT3500.....\$9.95

1 Items marked with this symbol are subject to certain shipping restrictions. Ask for details when placing your order.

#### Kodak Polymax Filters (J)

This set of 12 speed-matched polyester filters for controlling Kodak selective-contrast papers can be used above or below the enlarger lens. Polymax filters provide an expanded range of contrast grades from approx. Grade –1 to Grade 5+. Filters come in ½ grade increments, with the neutral filter being rated at 2½. Provided in a padded album case.

90mm x 90mm <b>KF4020\$20.99</b>
150mm x 150mm KF4021\$23.99
Same as above, but in rigid filter frames for under-lens use. Slide-in

Carrier and storage box included. KF4022 ....\$27.09

#### Kodak Polymax Filter Upgrade for Polycontrast II Filter Kit

Includes two filters, a Grade –1 and a Grade 5+.

KF4023	\$3.98
150mm x 150mm KF4024	\$4.48
For Slide-In Carrier	

KF4025 .....\$6.35



#### **Dust-Off**

Blow away dust, dirt and lint with this new, totally ozone-safe canned air. Contains no CFC's, HCFC's, butane or propane. Plus, the cans are manufactured at higher pressure, so they're smaller!

Dust-Off Plus (8 oz.) w/Vector Valve. Tilts 180°, rotates 360°. FA5000 ①
Dust-Off Plus (8 oz.) Refill for
Vector Valve
FA5012 (1)\$9.99
Case of 12 (ea.) 🕕\$9.49
Disposable Dust-Off Plus XL (10
oz.)With built-in nozzle.
FA5107 (1)\$7.99
Case of 12 (ea.) 🕕
Dust-Off (8 oz.) Refill for
Chrome Valve
FA5145 (1)\$7.99
Case of 12 (ea.) ①\$7.49
Dust-Off Chrome Valve
FA7115 (1)\$22.99

## Special Application Dust Off Plus

Absolutely no flammable elements – ideal for areas like medical facilities and labs. Special Application Dust-Off

(8oz.) FA5210 ① ......\$16.99 Case of 12(ea.) ① .....\$15.99

Special App. Dust-Off Plus XL

(10 oz.) FA5215 (1) ......\$14.99 Case of 12 (ea.) (1) .....\$13.90

Prices are subject to change.

# Eilm & Processing



#### **Black and White Printing**

#### by George Schaub

Practical advice on developing effective techniques for many purposes. From darkroom setup to archival mounting, each area is illustrated and explained clearly. Includes masters gallery and a glossary. 144-page paperback.

AH3020 .....\$21.95



#### The Zone VI Workshop

#### by Fred Picker

Makes the zone system digestible and practical. Written for serious black & white photographers by a teacher with full understanding of, and feeling for the process. 128-page cloth bound.

ZN6010.....\$13.95

#### Kodak Black-and-White Darkroom Dataguide

This convenient resource provides practical information about exposure, development, printing, archiving and toning. Includes up-to-date information on Kodak



#### Kodalux Prepaid Processing Mailers

Use these convenient mailers to send film to your nearest Kodak lab for processing, return postage paid. Use one mailer for each roll of film.

#### **CD Mailers**

View your photos on telvision with Photo CD technology. Kodalux will process your 35mm film, then scan and record your images to Photo CD (compact disk) for viewing on Kodak Photo CD-compatible components.

Slide Processing and Recording to CD

PKT 24 (24 exp.) KA2100 .....\$22.09 PKT 36 (36 exp.) KA2102 .....\$30.39

Negative Processing and Recording to CD

DT 24 (24 exp.)
DT 36 (36 exp.)

KA2103 .....\$19.29
KA2104 .....\$26.09

Negative Processing and Recording to CD, plus prints

DPT 24 (24 exp.)
DPT 36 (36 exp.)

KA2105 .....\$26.39

KA2106 .....\$36.69

#### **Slide Mailers**

Kodachrome or Ektachrome

PK 24C (24 exp.) **KP01224.....\$3.99** PK 36C (36 exp.) **KP01221.....\$5.60** PK 12C (120 unmounted) **KP01226.....\$7.00** 

#### **Print Mailers**

Kodacolor or Vericolor, 3R prints

DP 24C (24 exp.) KP01230.....\$8.00 DP 36C (36 exp.) KP01232....\$11.29

#### Fujichrome Prepaid Processing Slide Mailers

All Fujichrome E-6 process films can be processed using these convenient mailers. Push processing is not available.

24 exposures FF9724 ......\$4.25 36 exposures FF9736 ......\$5.60



#### **Calumet Viewing Filter Kit**

Essential aid for color printing and viewing transparencies. Kit includes six viewing cards, one each of red, green, blue, cyan, magenta and yellow, and each with a range of eight densities (CC025 through CC40), plus clear center filter for reference. Filter corrections are provided for printing on one side and transparencies on the other.

LE1500.....\$49.95



#### Watson 35mm Bulk Loader

Features daylight cassette loading from up to 100 ft. bulk rolls. Built-in frame counter. **BR1000**.....\$22.99

#### Llovd 35mm Bulk Loader

This daylight film loader is both economical and convenient to use. Stores up to 100 ft. rolls of 35mm film.

BR1165.....\$20.39

#### **Kodak Snap-Cap 35mm Cassettes**

These reusable, metal film cassettes offer light-tight reloading from bulk film loaders. Package of 10.

KK9498.....\$11.95

#### Reloadable 35mm Film Cassettes

Metal Cassettes - pkg. 4

BR1180	\$3.29
Metal Cassettes - pkg. 100 BR1190	\$49.95
Metal Cassettes - pkg. 500 BR1191	\$199.95
Plastic Cassettes - pkg. 4	

Plastic Cassettes - pkg. 100 **BR1187.....\$69.95** 

Plastic Cassettes - pkg. 500 BR1189.....\$299.95

## RETOUCHING & HAND COLORING

Marshall's Photo	Oils	Marshall's Liquid Retouch Colors	
	ent of hand-applied color	Can be applied over each other until the desired effect is achieved. Each kit includes	
	l color prints. All sets	8 assorted ½ oz. bottles and instructions.	
	olors and all preparation,		
application and instru		Liquid Retouch Color Group #1	
Sample Oil Kit (3 col MH0115	ors) <b>\$9.95</b>	Primary yellow, red and blue, plus basic flesh, green, brown, black and blue.	
Intro Oil Set (5 colors	s)	MH1047\$25.95	
	\$17.09	Liquid Retouch Color Group #2	
Learn to Color Oil Se		Gray, violet, bright orange, raw sienna, bright	
	\$29.95	red, foliage green, verona brown and flesh	
Hobby Oil Set (15 co	lors)	shadow. <b>MH1048</b> \$25.95	
MH1010	\$59.95	73	
Advanced Oil Set (20	colors)	Liquid Retouch Color Group #3 Aqua, bright violet, burnt sienna, cheek, lip-	
	\$79.95	stick red, oxide green, sky blue and viridian.	
Master Oil Set (46 co	lors)	MH1049\$25.95	1
	\$139.95	Pre-Color Spray	
Single Oil Tubes (¾ x	4" size)	Used to pretreat glossy b&w, color prints, RC	Time the same of t
Army Green	MH4002\$6.95	papers, canvas or canvas board to accept oils	AND THE STREET STREET,
Oxide Green	MH4020\$6.95	and pencils. 13 oz. can.	
Tree Green	MH4014\$6.95	MH5001\$8.95	
Viridian Green	MH4031\$6.95	PMS Solution	
Air Force Blue	MH4001\$6.95	Use to remove a little or a lot of color. Use it	
Chinese Blue	MH4011\$6.95	to prepare a print prior to coloring so that the	CALI
	MH4040\$6.95 MH4017\$6.95	paper absorbs only a very light amount of	FOR FR
Navy Blue Serge Blue	MH4024\$6.95	color. 4 oz. bottle.	COLO
Sky Blue	MH4025\$6.95	MH1045\$7.95	COLO CHAR
Ultra Blue	MH4028\$6.95	Marlene Solution	(ZZMHOOI
Cobalt Violet	MH4012\$6.95	Perfect for removing undesired color.	
Carmine	MH4008\$6.95	4 oz. bottle.	B&W Spot-All Set (3 tones)
Cerise	MH4009\$6.95	MH1040\$7.95	Blue/black, selenium brown and neutral
Cheek	MH4010\$6.95	Duolac	black.
Lipstick Red	MH4016\$6.95	Protects hand colored prints and permits them	MH1050\$7.95
Lip	MH4015\$6.95	to be cleaned. 4 oz. bottle.	Spotone® ½ oz. bottles
Basic Flesh	MH4032\$6.95	MH1030\$7.95	Olive-0BR1147\$2.65
	MH4033\$6.95 wMH4034\$6.95		Blue-1
Flesh	MH4035\$6.95	Print Spotting Supplies	Selenium-2BR1149\$2.65
Flesh #2	MH4036\$6.95	Miniature Spotting Brushes	Neutral-3
Flesh #3	MH4037\$6.95	Brushes made of pure red sable set in epoxy	Brown-B
Khaki	MH4014\$6.95	inside a seamless nickel plated ferrule.	
Raw Sienna	MH4022\$6.95		Kodak Opaque Black 1oz. <b>KP02060\$10.99</b>
Sepia	MH4023\$6.95	Size 00000, ¹³ / ₂₅₆ " Ø, ³ / ₁₆ " hair length.	1x1 02000
Vermilion	MH4029\$6.95	SN1150\$2.19	Print Sprays by Krylon
Verona Brown	MH4030\$6.95	Size 0000, 1/28" Ø, 1/2" hair length.	- [1842] 2000 [184] 이 프랑스 (프랑스 (프랑스 (1842) - 1842) (1842) (1842) (1842) (1842) (1842) (1842) (1842)
Background Tan	MH4039\$6.95	SN1140\$2.19	Crystal Clear Spray
Cadmium Orange	MH4006 \$6.95	Size 000, 1/6" Ø, 1/4" hair length.	Provides a clear, water-resistant coating that
Cadmium Yellow Cad. Yellow Deep	MH4006\$6.95 MH4007\$6.95	SN1130\$2.39	enhances print contrast and won't yellow with age. 8 oz. can.
Neutral Tint	MH4018\$6.95	Size $00 - \frac{1}{28}$ " $\emptyset$ , $\frac{1}{6}$ " hair length.	BR1117\$5.95
Titanium White	MH4026\$6.95	SN1120\$2.49	
Paynes Gray	MH4021\$6.95	Size $0 - \frac{1}{4}$ diameter, $\frac{1}{4}$ hair length.	Matte Finish Spray
Ivory Black	MH4013\$6.95	SN1110\$2.49	Permanently protects prints with a soft, satin, non-gloss finish and decreases light
3 144		B&W Spot-All Liquids	reflection. 13 oz. can.
Marshall's Photo	Pencils	For retouching, spotting, coloring negatives	BR1116\$5.95
Compatible with Pho	to Oil colors.	and prints. ½ oz. dropper bottles.	Workable Fixitif®
Starter Pencil Set (9 c	colors)	B&W Spot-All Set (6 tones)	If using a pencil or pastel this protects your
	\$15.95	Blue/black, selenium brown, neutral black,	print from smudging while coloring.
Deluxe Pencil Set (14	1 colors)	plus sepia, brown and olive tone.	8 oz. can.
100000000000000000000000000000000000000		1,	

MH1055 .....\$12.95

MH1021 .....\$19.95

BR1118.....\$5.95

Calumet's

# Lifetime

hese unique film washers employ a builtin siphon-action which produces a rapid "filland-dump" wash, which literally "sucks" water, hypo and other impurities out of the unit. This method provides a complete exchange of water every 1-2 minutes (depending upon unit size). Wet-time is reduced to a minimum conserving time (up to 50%) and tempered water (up to 80%) - and cleansing is archival. Calumet Film Washers, and our Archival Print Washers are hand-crafted from clear acrylic, individually tested and come with an exclusive Calumet Lifetime Warranty!



#### **Conical Film Washers**

#### For Roll and Sheet Film!

Wash 35mm, 120mm and 4x5 sheet film in one versatile washer. Featuring an over-sized, round design, both models accept all reels, including Jobo roll and sheet film reels, and HP Combi Plan T sheet film racks.

#### 8" Conical Film Washer

Accepts four 35mm, three 120mm or two Jobo 4x5 reels. 18" x 5½" O.D. GW3000.....\$56.99

#### 16" Conical Film Washer

Accepts eight 35mm, six 120mm or four Jobo 4x5 reels. 26" x 5½" O.D. GW3005.....\$86.99



#### Multi-Format Film Washer

This versatile film washer not only holds up to eight individual 4 x 5 or 5 x 7 film hangers, but will also wash 35mm (6 rolls), 120cm (4 rolls) or, with optional basket, up to twelve 4 x 5's. Can be used in or out of sink or wall mounted. 10" x 15" x 5" O.D. GW1600.....\$59.99

#### 4 x 5 Basket for Multi-Format Film Washer

Capacity: 12-4" x 5"s GW1700.....\$24.99





#### **Compact Roll Film Washer**

#### **Archival and Economical!**

These compact roll film washers, which handle 35mm, 120mm and 220mm films, are perfect for any darkroom. Their 41/4" diameter cylinder is big enough to take steel or plastic reels, and yet space efficient enough to not get in the way when not in use. Designed to produce a gentle, even pattern of water distribution which cleanses film effectively and efficiently. Includes 6' hose with sink attachment and, of course, a Lifetime Warranty!

7" Roll Film Washer Capacity: 4 - 35mm

GW4107.....\$31.99

13" Roll Film Washer Capacity: 8 - 35mm

GW4113.....\$41.99



#### **Archival Print Washers**

These beautifully hand-crafted, washers are clearly among the finest archival fiber-base print washers available and, in fact, offer some very impressive functional advantages over other designs on the market today.

- Segregated print compartments prevent cross-contamination and eliminate the need to wash prints in batches
- Cross-fire water jets keep prints suspended in turbulent, fresh water for uniform wash on both sides. Also keeps prints from sticking to the dividers.

- Bottom draining system removes water and high density hypo, plus provides easy draining with the washer in the upright position.
- Skimming overflow action Water exits the print compartment chamber from the top, removing particulate matter in the process, thus offering safe print retrieval.
- Removable floor makes it easy to clean washers thoroughly, even in the corners and along all seams.
- Plumbed for out of sink use saving sink space for processing trays, without optional attachments,
- Includes Calumet's exclusive Lifetime Warranty

#### 8x10 Archival Print Washer

Holds twelve 8x10 or twenty-four 5x7 prints. Five gallon capacity. 14" x 11" x 11" O.D.

GW4000.....\$299.95

#### 11x14 Archival Print Washer

Holds twelve 11x14, twenty-four 8x10 or thirty-six 5x7 prints. Nine gallon capacity. 20" x 11" x 15" O.D.

GW4014.....\$399.95

#### 16x20 Archival Print Washer

Holds twelve 6x20, twelve 11x14 or twenty-four 8x10 prints. Seventeen gallon capacity. 26" x 11" x 20" O.D.

GW4020.....\$499.95

#### 20x24 Archival Print Washer

Holds twelve 20x24 or twelve 16x20 prints. Twenty-one gallon capacity without dividers, 17 gallon capacity with dividers. 31" x 11" x 23" O.D.

GW4024.....\$599.95



This classic method of print drying is space effective, environmentally correct and inexpensive. Sturdy anodized bronze frames are stretched with plastic coated fiberglass screen. Set of four 24" x 30" screens.

ZN7000.....\$38.00



These screens eliminate the need to permanently tie up precious work space. Each unit snaps together to form a fiberglass drying screen and can be stacked in groups.

**PSN-24 Drying Screen** 

Holds up to four 8 x 10, two 11 x 14 or one 16 x 20 print. (18" x 24" I.D.)

KS8000.....\$29.79

**PSN-36 Drying Screen** 

Holds up to nine 8 x 10, four 11 x 14, two 16 x 20 or one 20 x 24 print. (26" x 34" I.D.) KS8005.....\$39.99



washable filter, 18 lbs., 24" tall, 115v, 615w. Fits three 120 or five 135 reels or mix up to 81/2". Wall mount included.

**Durst UT100** 

and filter.

**Film Drying Cabinet** 

film at one time with this

thermostatically regulated

drying unit. Two-way fan

provides filtered air to an air-

tight bag. Includes 3 film clips

DA5000 .....\$441.95

Dry up to 12 rolls of 35mm

FD3500.....\$369.95

Replacement Filter for DSA film dryer. FD3510.....\$7.95



#### **Bogen A-1 RC Print Dryer**

Dries color and black & white RC prints in as little as 4 minutes by a gentle stream of filtered, heated air. Holds eight 8 x 10 or four 11 x 14 prints. Measures 23" x 14" x 6½". Weighs 21 lbs.

BG5182 .....\$249.95

Film Drying Racks for A-1 Dryer

Will hold up to six 35mm or 120 stainless steel reels and will also dry sheet film up to 4 x 5. Includes two reel racks and two rods. BG5180 .....\$21.95



#### Omega/Arkay Print Dryers

RC2100 Dryer

Variable speed "RC" print dryer has capacity to handle 600 8 x 10 b&w prints per hour. Accepts prints up to 20" wide. All metal construction, measures 26" x 17" x 13". (Add 25" to depth for rear print tray.) Weight: 78 lbs.

AK0313 (A).....\$1259.00

RC1100 Dryer

"RC" print dryer features adjustable speed and heat controls. Dries up to 300 8 x 10 b&w prints per hour. Accepts sheets up to 12" wide. Measures 17" x 17" x 13". (Add 14¾" to depth for rear print tray.) Weight: 49 lbs.

AK0315 .....\$953.95



will dry up to 160 5" x 7" prints per hours. The RC-Jet features steel construction, temperature control and a built-in print wiper. The RC-Jet is 20" x 6½" x 11", with a

JB6040 .....\$805.95

#### Dual Dri 150

fiber-base print dryer with 22" wide chrome plated stainless



drum. Dries up to 80 singleweight 8" x 10"s or 40 doubleweight prints per hour. Autocooldown/stop control protects apron. Also features squeegee roller with on/off tension lever and tracking control to laterally adjust apron. Measures 27" x 30" x 19". Shipping Weight: 125 lbs.

AK0300 1 .....\$1779.00



For RC or fiber-base prints. Features twin, drying surfaces. Quick drying, nooverheating.

With two 12" x 17" chromed drying surfaces Capacity:

two 11 x 14, four 8 x 10

DN1700 .....\$75.49

#### Model 1820TC

With two 18" x 20" surfaces. Capacity: two 16 x 20, two 11 x 14, eight 8 x 10

DN1715 .....\$199.95



Ttems marked with this symbol are too large for UPS Surface delivery, and require shipment by truck, Freight Collect.

13" wide maximum print size.

**Doran RC500A Print Dryer** 

is 23" x 14" x 8".

Warm, filtered air pours over the your RC prints to dry them in just five minutes. Holds up to eight 8x10 or four 11x14 sheets on four perforated slideout metal shelves. One-piece metal housing

DN1810 ......\$199.95

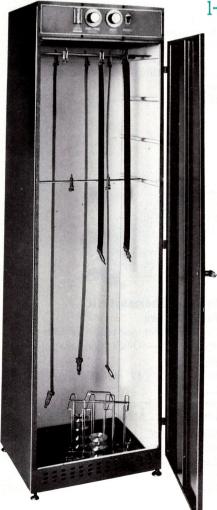
#### DRYING CABINETS

#### MULTI-PURPOSE DRYERS

hese industrial grade dryers can be used to dry roll or sheet film, as well as RC or fiberbased prints with optional racks. Utilizing controlled, filtered warm air, materials are dried efficiently and effectively in a dust-free environment. Easily replaceable furnace filters (either 16" x 20" or 8" x 16") are readily available through most hardware stores.

All units feature timers, variable heat control, safety thermostat, filter condition meter and power switch.

Also standard are heavy-duty fans, bottom drip pan, four built-in bracket sets which hold eight rods (included) that hold most roll film clips and cut film hangers. All units are 115 volts and require 15 amp circuits.



TO ORDER CALL
1-800-CALUMET

#### MFD-1 and WFD-1 Full-Size Drying Cabinets

This industry standard is ideal for high volume, in-house labs where efficiency and quality are crucial. Will dry up to 80 rolls of 36-exposure 35mm, 60 rolls of 120mm film, sheet film up to 20" x 24" and prints up to 16" x 20" (with optional drying racks). Measures 24" x 24" x 78" (O.D.)

MFD-1 Drying Cabinet
With chargoal brown

With charcoal brown metal exterior. Shipping Weight: 151 lbs.

AY0451 1 ....\$899.95

Print Racks for MFD-1 Cabinet (set of four) AY0453.....\$59.95

WFD-1 Drying Cabinet

Wood with grey plastic laminate and viewing window. Shipping Weight: 300 lbs.

AY0505 1 ....\$1249.00

Print Racks for WFD-1 Cabinet (set of four) AY0510.....\$59.95

#### WFD-11 Jumbo Drying Cabinet

grain finish This extra-large, not available. high capacity drying cabinet features double doors with glass viewing windows, allowing you to inspect the progress of your materials. Wood cabinet comes in a handsome grey plastic laminate exterior, with outside dimensions of 36" x 24" x 77". The Jumbo Drying Cabinet will handle up to 120 rolls of 36-exposure 35mm, 90 rolls of 120mm film, sheet film up to 30" x 40" and prints up to 20" x 24" (with optional racks). Ideal for high-volume in-house labs. Shipping Weight: 400 lbs. AY0515 1 .....\$1949.00

Print Racks for WFD-11 Cabinet (set of four)

AY0520.....\$94.95

1 Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck, Freight Collect.

#### MFD-4 Slim Line Drying Cabinet This high-

capacity extra-slim metal drying cabinet takes up only two square feet of floor space.

Wood

Print Racks for MFD-4 Cabinet (set of four)

AY0530.....\$46.95

# MFD-5 Table Top Slim-Line Drying Cabinet

Print Racks for MFD-5 Cabinet (set of four)

AY0453.....\$59.95

#### Mini Spray Booth II

Here's the safe way to lacquer spray prints up to 20" x 24". Booth features sealed blower motor, lighted interior, remote on/off safety switch, air/rain trap, 6" duct pipe and filtering. Measures 29" x 26" x 24". Shipping Weight: 60 lbs.

DT3000 1 .....\$799.95

Replacement Spray Booth Filters (10 pcs.) DT3002 .....\$22.59



#### Flame Resistant Liners

For ease of cleaning. (pkg. of 5)

DT3003 .....\$22.59

#### DARKROOM



#### **Darkroom Cloth**

#### Close the Door and the Light Stays Out!

If you're shocked by how difficult it can be to convert a regular room, with regular things like doors and windows, into a "darkroom," try the amazing Darkroom Cloth. Don't be frightened. It's not black magic, it's heavy, rubberized, black, opaque cloth designed to block light from windows, doors, etc. Sold in yard increments up to 33 yards. 40 usable inches wide.

BN6000 .....\$13.99/ yard



Completely shock absorbent to cushion all types of floor surfaces. Made of closed cell vinyl that will not absorb darkroom liquids. 3/8" thick

24" width	AC1010	\$10.00/ft.
36" width	AC1015	\$13.99/ft.



#### **Anti-Fatique Floor Tiles**

These 100% virgin vinyl tiles are safe, non-conductive and shock absorbent. Perfect for cushioning floor surfaces while processing or working in the lab. Chemically resistant tiles are easily trimmed and installed. Tiles are 50% heavier and thicker than most other brands and exceed military, federal and OSHA requirements and standards. Available in black.

in black.	
12" x 12" Floor tile	
DT3020	\$6.00
2½" x 12" Ramp Edge (male) <b>DT3021</b>	\$5.50
21/11 1211 D E1 (6 1)	фэ.э0
DT3022	



#### **Removes Darkroom Dust and Fumes!**

Features triple filtering system that traps 97% of all airborne particles. A pre-filter removes lint and dust particles, the electro-static filter removes particles as small as .01 microns, and an activated carbon filter further eliminates pollutants and fumes. Includes two-speed controls, permanent electrostatic filter and 5-yr. limited warranty.

#### L-500 Electronic Air Cleaner

Cleans a 20' x 20' area more than 5 times per hour.

Measures 17" x 13" x 15".

LK1500 .....\$359.95

#### L-250 Electronic Air Cleaner

Cleans a 15' x 15' area up to 4 times per hour. Measures 18" x 11" x  $8\frac{3}{4}$ ".

LK1250 .....\$299.95



## Calumet Enlarger Alignment

Prints not sharp? Your enlarger may be out of alignment. The Calumet Alignment Tool with Built-in adjustable spirit level is a precision instrument that permits you to properly align your enlarger for the sharpest possible prints.

CP9230......\$39.95



#### Speedmatic Revolving Darkroom Door

Provides light-tight, easy access to and from any type of darkroom without interfering with activities requiring a dark environment. Also cuts down air movement, thus providing a cleaner environment. These doors are made of rigid, high-impact polystyrene with steel reinforced support. Suspension and lower guide bearings provide easy rotation from inside or outside. Diagrams are available upon request.

Note: Revolving doors are shipped by truck freight collect. F.O.B. Cushing, OK.

2W28	2W36	3W48
82 ¼"	82 1/4"	82 ¼"
80"	80"	80"
29"	36"	49 1/3"
28"	35"	46 34"
25 1/2"	32 1/3"	45"
74 ¾"	74 3/4"	74 3/4"
18"	20"	20"
157 lbs.	187 lbs.	225 lbs.
203 lbs.	233 lbs.	265 lbs.
	82 ¼" 80" 29" 28" 25 ½" 74 ¾" 18" 157 lbs.	82 ½" 82 ½" 80" 80" 29" 36" 28" 35" 25 ½" 32 ½" 74 ¾" 74 ¾" 18" 20" 157 lbs. 187 lbs.

Shipping Weight	200 103.	200 103.	203 103.
2-Way Model <b>SP2000</b>			\$1250.00
2-Way Model <b>SP2005</b>			\$1350.00
3-Way Model <b>SP2010</b>			\$1650.00
<b>2-Way Model</b> Designed for vi Call for detail.	vheelchair	entry.	
SP2014 1			\$1750.00

 Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck, Freight Collect.

# Hungry For Information?



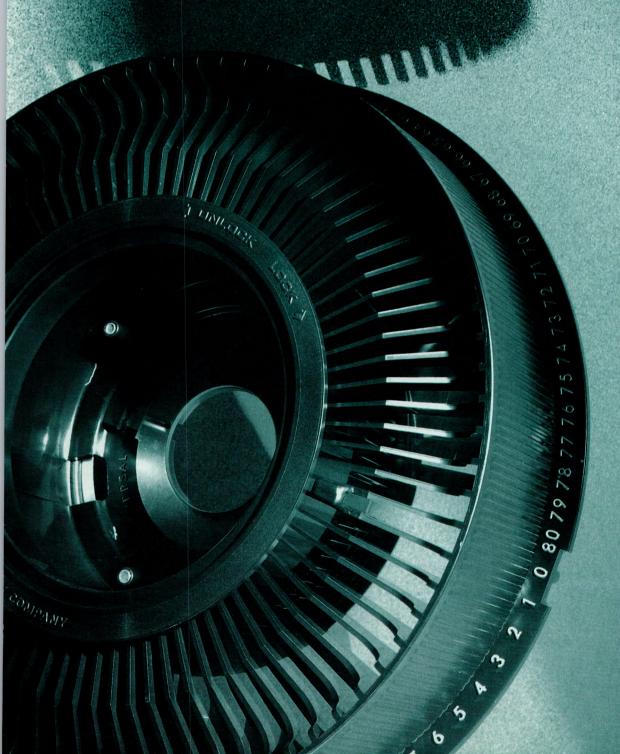
Calumet literally has a library of technical resource books and videos by such photo-luminaries as Ansel Adams, Leslie Stroebel, Harvey Shaman, Norman McGrath, John Shaw, Dean Collins, Frank Cricchio, and Fred Picker, just to name a few. We guarantee in-stock availability on all items listed in our *Essentials Catalog*, same-day shipment on all orders received before 4:00 p.m. (C.T.) and next-day delivery for a nominal upgrade charge of only \$10.95. For a copy of our 64-page *Essentials Catalog*, call 1-800-CALUMET (1-800-225-8638), or stop by the Calumet store nearest you.



You'll find it here.

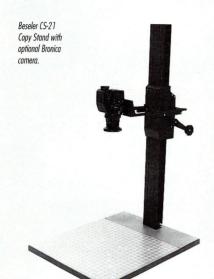
Calumet Essentials Catalog!





#### COPY STANDS





**Beseler Copy Stands** 

These stands include column, baseboard and hold-down bars.

**CS-14 Copy Stand** 

Single column and 16x19" baseboard is suitable for cameras up to 5 lbs.

BS8400 ......\$184.95

**CS-21 Copy Stand** 

Based on the rigid twin E-channel center-braced column made popular by the 45V-XL Enlarger, the CS-21 features a locking rack and pinion elevation system. Front to back and left to right adjustments are made from the camera platform bracket. Suitable for cameras up to 10 lbs. Column height: 44", baseboard dimensions: 22" x 28". Maximum recommended copy size is 20" x 20".

BS8408 \$329.95

**Beseler Copy Light Arms** 

Set of two adjustable arms with %" studs will hold up to four lights (not supplied). CLA-14 Copy Light Arms (for CS-14)

BS8402 ......\$76.39 CLA-21 Copy Light Arms (for CS-21) BS8407 .....\$81.29

**CL-600 Copy Lights** 

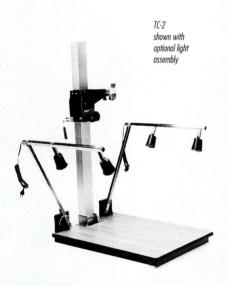
Accept screw base standard or reflector lamps up to 600 watts. %" mount. Set of 2. (Requires lamps and reflectors.)

BS8414 ......\$89.39

R-50 Reflectors 5" (60°)

BS8415 .....\$10.79

R-100 Reflectors 10" (50°) BS8420 ......\$12.19



**Technal TC-2 Copy Stand** 

Features 43" graduated column for precise, repeatable results. Spring counter-balanced elevating mechanism with friction drive and lock-down makes adjustments easy. Includes camera arm with adjustable reach, neutral gray baseboard and alignment guide.

Specifications: Column Height: 43" Baseboard Size: 20" x 27" Working Heights: 9 ½" to 40 ½" Crossarm Reach: 6 ½" to 10 ½"

BG5120 .....\$299.95

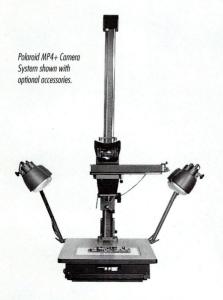
Copy Light Assembly for TC-1 and TC-2
With four swivel arm lamp holders for bulbs

up to 150 watts. *Lamps not included*. **BG5175** ......\$119.95

150 watt reflector flood bulb

WIDWC.....\$6.50





#### Polaroid MP4+ Camera System

Polaroid's improved MP4+ Camera System features a black anodized column for reduced reflection and a baseboard of 18% gray for pre-metering exposures (with storage drawer and special compartments—handy for lenses and operating instructions). Included are sliding head with eye-level reflex viewing hood and ground glass, light arms and self-cocking Copal shutter. Accommodates Polaroid 545 or conventional 4x5" film holders. Lens, light kit and film holder required.

MP4+ Standard Kit with 46" Column
PO7300K.......\$2359.00
MP4+ XLR Kit with 66" Rotating Column
PO7305K.....\$2739.00



#### Lenses

The MP4 Camera System accepts any of these flat-field Tominon lenses.

 17mm
 PO7210
 \$279.95

 35mm
 PO7200
 \$279.95

 50mm
 PO7190
 \$279.95

 75mm
 PO7180
 \$259.95

 105mm
 PO7170
 \$269.95

 135mm
 PO7160
 \$269.95

#### Light Kits

Universal Tungsten Kit (Includes 4 lamps)
PO7332.....\$139.95

Universal Quartz Kit (Includes 2 lamps)
PO7334.....\$234.95

#### PROFESSIONAL COPYSTAND SYSTEMS

encher is America's leading manufacturer of copystands and system accessories. Their precision crafted stands are renowned for their exceptional stability, pinpoint camera placement and smooth, effortless camera movement.

From the entry-level Copymate II, to the technologically advanced VP400 Illuma Floor Copy System, Bencher has a stand for all practical and professional purposes.

One area that sets Bencher apart from other copystands is its wide selection of convenient, and highly specialized copying accessory systems. They have developed a number of precision camera mounting devices, such as a camera leveling plate and a fine focusing and centering unit, plus a unique quick release mount.

Choose from any number of copy masking and holddown accessories, including special easels designed to hold books open safely for photo or video copying. All Bencher arm-mounted lights are 300 watts each and all baselights are 600 watts. Bencher also offers a variety of quartz lighting units, as well as light arms, braces, polarizing filters and safety glass.

Whether you're working in photography, video, A/V or computer graphics, you're sure to be impressed with the unique versatility and quality of the Bencher Copy System.

#### Replacement Bulbs

300W (each)	BN5028	\$26.59
300W (set of 2)	BN5029	
300W (set of 4)	BN5030	
600W (each)	WIDYS	\$16.95

 Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck, Freight Collect.





#### BENCHER

**VP400 Copystand System** 

This professional system, designed specially for cameras up to 40 lbs., features a 25" x 25" welded metal baseboard, and black anodized 5' column, carriage and mounting plate to prevent stray reflections. The enclosed carriage design includes rack and pinion gearing, dual brake pads and is counterbalanced by six heavy-duty tension springs.

**VP400 Copystand** 

Complete with column, camera carriage, mounting plate and baseboard.

BN5000......\$896.95

VP400 Illuma Floor Copy System

Features a 16" x 16" base illuminator set into the baseboard with built-in light intensity controls. Adjustable legs offer a choice of 18" or 30" working heights. System also includes light arms and four Quartz halogen lights. Shipping weight: 148 lbs.

BN5010 (A) .....\$2279.00

**VP400 Replicator Copy System** 

Features a unique 15½" x 15½" movable copy stage and an opal plexiglass insert which allow backlighting for video and digital transfer of transparencies or small objects. Includes light arms and Quartz halogen lights (set of two).

Shipping Weight: 171 lbs.

BN5052 1 ......\$1659.00

#### **Bencher M2 Camera Stand**

Features a 48" black anodized scaled column with a positive drive camera carriage, 26½" x 23½" baseboard, adjustable camera platform with 6" shift range.

BN0100.....\$399.95

M2 Stand w/2 Quartz Lights

BN0151....\$883.95

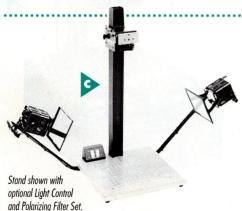
**M2 Illuma System — Quartz with Pedestal** Features 14" x 17" baseboard illuminator on 30"(H) pedestal, and 4 quartz lights. Shipping weight: 162 lbs.

BN0301 (B) .....\$1769.00

M2 Illuma System — Quartz with Bench With 18"(H) illuminated bench and 4 quartz

lights. Shipping weight: 128 lbs.

BN0205 1 .....\$1649.00



#### **Bencher Copymate II Stand**

The new Bencher Copymate offers professional quality at a modest price.

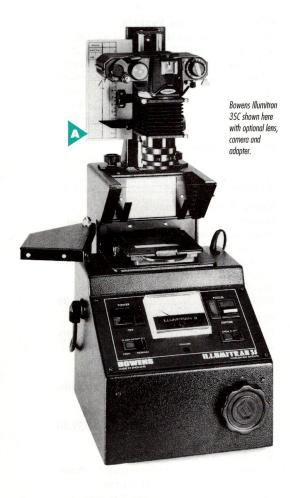
- 19" x 20" heavy baseboard features a net 16" x 20" working area and grid base for accurate alignment and repeatable copying
- 36" fluted column anodized in black
- Counterbalanced carriage for 35mm which includes in/out centering adjustment
- Bencher exclusive no-shift brake
  Includes column and baseboard.
  BN3910.....\$229.95

#### 

#### **Copymate II Accessories**

Bencher Copymate II Copylight Control BN3935\$106.95
Bencher Copymate Copy Holdown BN4030 \$97.79
Bencher Copymate II Polarizing Filter Set

#### CATO



#### Bowens Illumitran 3SC (A)

With Contrast Control!

Whether you're duping, enlarging or cropping original slides, making internegs, correcting for over or under exposures, finetuning color balance or creating multiple exposure effects onto litho film, the Bowens Illumitran 3SC makes your task a breeze. This versatile unit is loaded with features that are both convenient and inspirational.

While most duplicators require a change of aperture or exposure time to adjust exposure, Illumitran's electronic flash intensity control lets you vary the light over a 2½-stop range – without affecting sharpness or reciprocity. A direct reading meter is color corrected, free from memory and inertia effects, while a voltage stabilized power supply guarantees consistent exposures.

Bowens exclusive contrast control extends the working range of the Illumitron 3SC and adds precision calibrated control and repeatability to your work, which is critical to making the best internegs and better instant prints. It also opens up a much wider range of films that can be used. Includes universal transparency holder for 2 x 2" and 2¾ x 2¾" mounts and unmounted transparencies up to  $2\frac{1}{4} \times 2\frac{3}{4}$  and bellows. Requires lens and camera adapters. BW5503 .....\$995.00

#### **Bowens Illumitran 3S**

This voltage stabilized duplicating unit comes complete with continuous intensity variation and built-in metering for maximum consistency and repeatability, and . Includes bellows unit and universal transparency holder for 2 x 2" and 2¾ x 2¾" mounts and unmounted transparencies up to 21/4 x 23/4" and bellows. Requires lens and camera adapters. BW5501 .....\$799.95

**Recommended Duper Lenses** 

Corner-to-corner sharpness is best obtained with lenses designed for reproduction from flat field to flat field, such as enlarging lenses. Also, maximum cropping and enlarging is achieved with short mount lenses. 60mm f/4.0 Noflexar NF2086 .....\$149.95 75mm f/4.0 APO Rodagon

RS5085 \$499.95 60mm f/5.6 Componon SC5060.....\$262.95

60mm f/4.5 Rogonar RS6115.....\$144.95

#### Beseler Dual-Mode Slide Duplicator

If you face a constant need for slide dupes, internegatives, or special "enhancing" effects, this versatile slide duplicator represents an excellent investment. It has two built-in light sources; a continuous 250w, 3200°K quartz lamp, and a 5000°K, fastrecycling electronic flash. Both offer 0-200 units of dichroic filtration and TTL-metering capabilities. A mixing chamber for both 35mm and 6x7cm is standard, while bellows and contrast control assemblies are optional. 35mm film and slide carriers, 39mm lens mount, sync cord and color checker slide are included. Requires lens and camera adapter. BS6005 .....\$1095.00

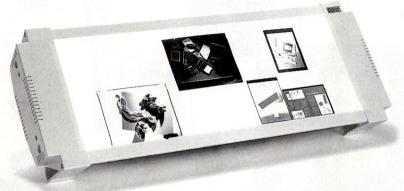
#### Deluxe Dual-Mode Slide Duper (B)

With Variable Contrast Controller, twice the flash output, plus bellows assembly and voltage stabilized tungsten mode. BS6002 .....\$1495.00

#### **Duplicator Accessories**

T-mount Camera Adapters (Specify camera)	CALL
4 x 5 Diffusion Chamber <b>BS6060</b>	\$173.95
Bellows for Standard Duper BS6007	\$181.95
Positive Position 35mm Carrier <b>BS6009</b>	\$174.95
Universal Camera Mount BS6070	\$169.95
Replacement Flash Tube BS6028	\$70.89
Replacement Lamp (250w 82V Quartz Halogen) WIEVW	\$17.95





**Macbeth Prooflite** 

Long considered as "standards" in the graphic arts and photo lab industries, these Macbeth 5000°K viewers offer exceptionally even and balanced illumination, with no hot spots or shadows on transparencies. Illumination is not so bright as to wash out a chrome or cause eye fatigue, rather just right to reveal toning and shading of both light and dark colors.

#### **PLT-510 Prooflite**

Features a 10" x 10" viewing area in a sturdy, plastic 13 ½" x 17" x 8 ½" housing.

MB1100.....\$272.95 Replacement Bulb

MB1500.....\$12.99

#### **PLT-214 Prooflite**

This portable viewer features a 10" x 10" viewing area, a built-in stand, carrying handle and rugged metal construction.

MB1000.....\$347.95 Replacement Bulb

MB1500.....\$12.99

#### PLT-516 Prooflite

A 15" x 16" viewing area is ideal for large format chromes. Housing measures 19" x 21 1/8" x 10" and has a carrying handle.

MB1200.....\$412.95 Replacement Bulb

MB1510.....\$13.99

#### PLT-942 Prooflite

Slide sorting is simplified with a 16" x 42" viewing area. Housing is 52" x 20" x 7".

MB1300.....\$632.95 Replacement Bulb MB1520.....\$14.99

For optimum color correction, bulbs should be replaced twice a year.

#### NPC ProLupe 5.5X

This magnifier with twoelement glass optics, adjustable diopter, and rubber evepiece allows an undistorted, full-frame view of a 35mm transparency. It's ideal for examining Polaroid test shots and contact sheets. Backed by a Lifetime warranty. 23/4" x 21/4" diameter. NP9807.....\$119.95



With its aspheric, twin lens design, this 4x magnifier offers exceptional imaging quality over the entire 35mm film format. Its 43mm image field diameter and integrated adjustable tube for darkening allow you to switch from viewing a 35mm transparency at full size to a photo in one easy motion. RS7010.....\$119.95



#### Schneider 4X Wide Angle Lupe

#### Perfect For 35mm Slides!

Features flat-field, distortion-free, colorcorrected optics for optimum viewing of fullframe 35mm slides, negatives and contact sheets, or ground glass focusing. Incl. clear and opaque skirts, and adjustable eyepiece. SC8040.....\$119.95

#### Other Schneider Lupes

Come with opaque skirts only.

6X Schneider Lupe SC8060......\$149.95 SC8080.....\$159.95 8X Schneider Lupe 10X Schneider Lupe SC8100......\$229.95

#### Schneider 6 x 6 Magnifier

For viewing the full 6 x 6 cm image. Fits perfectly on the focusing screen. Includes opaque and clear skirts. 3.3X magnification. SC8020 .....\$199.95

#### **Bestwell 8X** Maxiloupe

Offers true color rendering, high resolution and contrast. View 35mm and roll film slides, negatives or contact prints by reflected light. Can be adjusted to users' eyesight. 3" x 2½" diameter.



BO2000 .....\$24.95

#### Peak 4X **Anastigmatic Lupe**

Optically corrected for curvature of field and aberrations to ensure edgeto-edge sharpness. Features removable millimeter scale and clear

barrel. Ideal for 35mm and 21/4" slides. 3¾" x 3" diameter.

PC1990.....\$129.95



#### **Peak 8X Viewing Lupe**

Designed for viewing 35mm negatives. Covers 24mm x 35mm area. Features graduation on bottom of skirt.

PC1910 (A) .....\$30.99 Puncher and Holder for 8X Viewing Lupe

Fits onto the lupe for checking and marking negatives and viewing slides.

PC1915 (B).....\$14.95

#### Agfa 8X Lupe

An economical, classic lupe to view contact sheets, negatives and slides. Features clear plastic skirt.

AG1000 .....\$6.00



#### Transparency Magnifier

Unique double lens design for viewing at a distance and on light boxes. Large 3" x 3" viewing area.

MX4080.....\$17.95

#### XCEPTION TRANSPARENCY EWERS

hese sleek, smartly styled viewers offer outstanding light quality and unprecedented advances in viewer design and engineering. Considered the standard in the graphic arts industry and strictly comply with photographic D5000 Standard, Graphiclite viewers feature their own full-spectrum viewing lamps, superior color quality, unsurpassed viewer-to-viewer consistency and a highly efficient reflector system that creates uniform luminance, eliminating shadows and hot spots.



#### **GLX-LG/GLX D5000 Viewers**

#### Available with Exclusive LiteGuard Feature!

For the most accurate, critical viewing of your color transparencies! Graphiclite LG Series feature a unique critical monitoring system called LiteGuard that indicates if the light temperature is correctly at 5000°K daylight. LiteGuard emits a signal whenever the unit: experiences a voltage drop; requires lamp replacement; is warmed up and stabilized, and reaches 25%, 50% and 100% of the lamp's critical color life. In addition to easy wall mounting, all GLX viewers include an adjustable stand which offers varied viewing angles, allowing viewers to lay flat, stand vertically, or incline at approximately 15° or 75°. An integrated handle affords easy portability.

#### GLX-10LG/GLX-10 Viewers

Feature a viewing area of 10" x 11" and overall dimensions of 15" x 16" x 5". GX2000 (w/LiteGuard) .....\$369.95 GX1000 (w/o LiteGuard) (A).....\$299.95

#### **GLX-16LG Viewer**

Features a viewing area of 10" x 20" and overall dimensions of 15" x 25" x 5". GX2010 (w/LiteGuard) .....\$419.95

#### GLX-20LG/GLX-20 Viewers

Feature a viewing area of 16" x 20" and overall dimensions of 21" x 25" x 5". GX2020 (w/LiteGuard) (B).....\$489.95 GX1010 (w/o LiteGuard) .....\$399.95

#### GLX-44LG/GLX-44 Viewers

Feature a viewing area of 16" x 44" and overall dimensions of 21" x 49" x 5". GX2030 (w/LiteGuard) .....\$569.95 GX1020 (w/o LiteGuard) .....\$469.95

#### **Economy D5000 Viewers**

Uses full-spectrum Graphiclite color viewing lamps for soft, color-precise 5000°K illumination, in 2' or 4' viewers. Can be used on a table-top or wall-mounted, and when combined with accessory SS-3 Programming Boards, these viewers become versatile transparency editing systems. Viewers come with table stand which will hold viewer at 20° angle for slide sorting or 75° angle for slide programming.

#### 2' Slide-Sorting Viewer, Model 29

Provides a 24" x 19" viewing area, and accepts one SS-3 board. GX4000 (C).....\$219.95

#### 4' Slide Sorting Viewer, Model 49

Provides a 48" x 19" viewing area, and accepts two SS-3 boards.

#### GX4010 .....\$259.95

#### **Economy D5000 Viewer Floor Stand**

Specifically made for the 2' Slide-Sorting Viewer, Model 29, this Floor Stand can hold one viewer horizontally while it holds another at a 20° angle for slide sorting or 70° angle for slide programming.

GX5025 ......\$174.95

#### **GLV-10 Portable** Viewer

This economical viewer fits into a standard briefcase and is perfect for

viewing 8" x 10" transparencies. Overall dimensions are 111/4" x 12" x 23/4".

GX3010 .....\$189.95

#### **Graphiclite Relamp Kits**

Kits include replacement lamps for specified Graphiclite viewer.

For GLV-10 and BVS/T Viewers GX9033 .....\$47.99 For GLX-10 and GLX-10LG Viewers GX9025 .....\$34.99 For GLX-16LG and Model 29 Viewers GX9030 .....\$34.99 For GLX-20 and GLX-20LG Viewers GX9035 .....\$47.99 For GLX-44 and GLX-44LG Viewers

Prices are subject to change without notice.

GX9040 .....\$47.99

#### **GLX Slide Overlays**

Clear acrylic overlays with L-shaped ledges to hold mounted 35mm slides. One SS-1 fits 10LG and two SS-1s fit 16LG. The larger SS-2 fits 20LG and two SS-2s fit 44LG.

SS-1 Slide Overlay

GX2040.....\$39.99 SS-2 Slide Overlay

GX2050.....\$59.99

#### SS-3 Slide Programming Board

This 24" x 22" format slide overlay, which holds 120 slides (10 rows of 12 slides each), offers fast and easy slide placement and retrieval. Features built-in handgrip. For use with Model 29 and Model 49 viewers.

GX8000 .....\$52.99



#### **Logan Transparency Viewers**

Who ever said that economical desktop slide viewers can't be color-accurate? Logan viewers, designed to be used flat on a table. inclined, or hung on a wall, feature 5000° K fluorescent bulbs with CRI ratings of 91 or better.

These light boxes are all steel, welded construction, with a putty beige bakedenamel finish. Viewing surfaces are breakresistant translucent acrylic. 110-120v, 10 ft. cord.

#### 24" x 16" Tru-View Light Box

Two ANSI standard 5000°K 20w fluorescent lights with a CRI rating of 91+. 24" x 16" x 33/4".

LV2400 (A)		\$190.95
Replacement Bulb	LV5000	\$14.99

#### 8" x 10" Desk Top Light Box

ANSI standard 5000°K 20w fluorescent light with a CRI rating of 91. 12½" x 9½" x 2".

LV1810 (B).....\$50.79 Replacement Bulb LV5030......\$14.99

#### Acculight Viewer/Editor System (C)

View slides and transparencies clearly and conveniently with this special modular system. Features ANSI standard 5000°K light source and CRI rating of 91+ which meets the strictest color rendition demands of any professional.

Also features five mounting positions, double-capacity viewing capabilities with Accuframe, Acculock storage/retrieval overlay and Acculight Sorter/Tray.

#### 4' Slide and Transparency Viewer/Editor 5000°K light, CRI rated 91+

Dood II II gire, CITI	
KN1000	\$219.95
Replacement Bulb	KN5000\$22.19

#### 2' Slide and Transparency Viewer/Editor 5000°K light, CRI rated 91+

KN1020		\$179.95
Replacement Bulb	KN5005	\$22.19

#### Stand for 4' Viewer Editor

This stand will hold one or two 4 ft. Acculights (KN1000) and is adjustable for two convenient heights - standing or sitting. All steel construction with white painted finish, and four 2" casters (two locking).

Overall Dimensions: 42" x 28" x 40 3/4". Weight: 40 lbs.

KN4000 .....\$187.95

#### **Acculight Coupling Frame**

Connects two 4 ft. or 2 ft. viewers for horizontal and vertical viewing. Black finish. KN1025 .....\$42.89

#### **Sorter Tray**

Clear vacuum-formed polyvinyl sheet lays flat on viewer. Holds 72 mounted slides.

KN1030 ......\$16.79



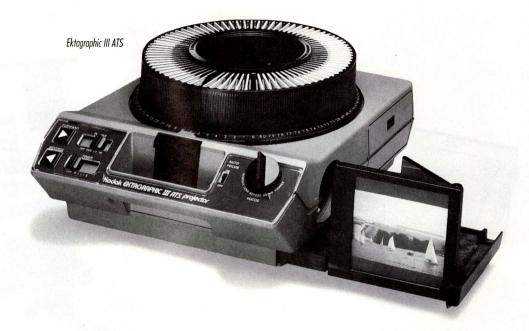
#### Portable Viewer/Sorter

Viewing area is 17%" x 12%". Capable of viewing up to 48 2" x 2" slides. 5000°K light. Complete with protective

vinyl cover. Weight: 12 ½ lbs.	
KN1040	\$89.69
Replacement Bulb	
KN5010	\$22.19

#### PROJECTORS





#### **Ektagraphic III Projectors**

#### The Professional's Choice for Heavy Duty Use!

The Ektagraphic line of slide projectors features the classic Carousel design and are specially manufactured for the requirements of heavyduty business use. Special extended-life components are used to assure trouble-free operation for years.

Ektagraphic III projectors provide the special-applications receptacle for remote control from one of Kodak's special effects/dissolve units. All projectors accept 2"x 2" slides and come complete with a Universal 80 slide tray, bulb, remote control (except E Plus model), and 3-year Kodak warranty.

See below for specifications. See page 161 for required lens.

#### **Carousel Projectors**

#### **Excellent Quality for Home Slide Viewing!**

The word "Carousel" has become synonymous with slide projectors—like Kleenex is to facial tissue and Xerox is to copiers. The great advantage of Carousel is the ability to access any slide at any time, just turn the wheel to the part of the show you want to see!

The Carousel uses a gentle gravity feed system to lower slides into the projection unit, while warm air vents up into the next few slides so they don't "pop" when they are exposed to the heat of the projector lamp. All projectors accept 2"x 2" slides and include a Transvue 140 slide tray, bulb, remote control, and 1-year Kodak warranty. See below for specifications. See page 161 for required lens.

	Ektagraphic III Projectors				Carousel Projectors				
Feature\ Model	E Plus	A	BR	AMT	ATS	4200	4400	4600	5600
Remote forward/reverse		o	■ moid	0 15 1 10 0 0 0 0 0 0	0				0
Manual focus		Traffic Po			ession in a l	0	2		
Remote focus	0	12 12		13000 3711	SHIP TO SEE		ore i Buenes	an-rates serv	1 60 2
Automatic focus			- Jacob		19840 - 38		- the asticus	r-adjusanagi	6.20070
Autofocus On/Off Switch					2.1.		The latest of	SW & DO SHOW	o casneto
Power Requirement:110-125V, 60Hz only	en e	0					0	t with course	DION TOL
100–240V, 50/60Hz				Commence 1 at 7			1.00 108103	t see sameth	della soli
Vertical/Horizontal slide registration		200	28				skai osasi	wood a thing a	niouniza
16° elevation		- 12 E	Maria Nation	neva 💼 am	Mon sugar			anivor/ ,i	nd i mak
Reading light			de la major	ograpi <mark>a</mark> sange	V kana 🔳			Constanting	and and serv
Tray release latch	-			H 9 h = 1 12					Division III
Rear leveling foot	0		an Selvi					ASST ASSAULT	101
Three-position lampswitch (off, on, lamp)			100000	17 17 2 CH2	A desired to the second			<b>3</b>	
Four-position lampswitch (off, on, low, high)				totic isvo				1000	Total You
Dark-screen shutter									V2018 (4)
Variable timer (3-22 seconds)			1000 0000		DESTRUCTION OF THE PARTY OF THE	77,125		I digit is	naro e la s
Built-in viewing screen			Dealer directs	e domination f	ota Ilia mili				
Warranty *	3 yr.	3 уг.	3 yr.	3 уг.	3 yr.	1 yr.	1 yr.	1 yr.	1 yr.
Item Number Price	KA1060 \$309.95	KA1020 \$410.95	KA1040 \$497.95	KA1010 \$508.95	KA1000 \$594.95	KA1140 \$214.95	KA1141 \$279.95	KA1142 \$351.95	KA1143 \$496.95

^{*} Bulbs not warranteed.

## Ektagraphic and Carousel Accessories

EC Projector Case
Fits Ektagraphic or Carousel Tray
KA1701..........\$65.99
IR Wireless Remote Control
360° sensing up to 100 ft.
KA1610.........\$169.95
25 ft. Remote Extension Cord
KA1640......\$39.99
Ektagraphic
Universal

Universal
Tray 2
Accepts 80
2" x 2"
slides up
to ½" thick

KA1800.....\$11.99 Ektapro 80 Covered Tray

Accepts 80-2" x 2" slides up to 1/8" thick

KA1810.....\$16.99 Carousel Transvue 80 Tray Accepts 80 slides up to 1/10" thick

KA1820.....\$9.50
Carousel Transvue 140 Tray
Accepts 140 slides up to 1/16" thick
KA1830.....\$13.99

Stack Loader
Holds 40 slides in mounts up to 1/16" thick

KA1850......\$64.99

Replacement Bulb
for Ektagraphics
EXR 300W
WIEXR.....\$18.95

Replacement Bulb for Carousel FHS 300W WIFHS ......\$19.95



#### **Projection Lenses**

#### **Kodak Lenses**

Ektapro FF (flat field) lenses are recommended for most slides. Ektanar C (curved field) lenses improve projection quality of open mounted originals with emulsion toward lens.

KA1240.....\$89.29 Schneider Lenses

Project sharper images with matchless detail with these high-quality German optics.

Prolux 100mm f/2.8 **SC1100......\$59.99** 

Prolux 150mm f/3 **SC1150.....\$179.95** 

Prolux 300mm f/4.5 **SC1300.....\$619.95** 

Prolux 400mm f/5 SC1400.....\$619.95

Vario-Prolux 70–120mm f/3.5 SC1721......\$122.95

#### **Laser Pointers**

#### **PLP Laser Pen Pointer**

World's smallest laser pointer—weighs only 1 oz. (plus batteries). Produces 4" spot at 100 yds., 2" spot at 50 yds.

Includes two AAAA batteries. 1-year warranty.

BR9201.....\$139.95 AAAA Batteries (Set of 2) BR9205.....\$2.29

## VIDEO PROCESSORS



#### **Fotovix IIX-S**

The IIX-S is a great way to present wedding proofs on video. Its high resolution S-video output provides super sharp viewing on any monitor or television screen. Plus, its ability to transfer film of 21/4 square, 6x4.5, 6x7 and 6x8 formats with an optional 22Z lens makes it one of the most versatile proofing systems available. Features 6X Zoom. joy-stick controlled color balance, auto or manual exposure control, saturation wheel, positive/ negative switching and image rotation control.

FX1002 (A).....CALL

#### Fotovix II-X

FX1065 .....\$30.69 Fotovix III \$ Video

**IIX/IIX-S** Accessories

Frames, crops, masks, highlights,

fades and more. Requires Fotovix

FX1032 .....\$599.95

FX1020 .....\$179.95

Conversion Lens for 21/4" Film

2" x 2" Mounted Slide Carrier

Fotovix Video Editor II

II-X.

(Holds 10)

Processor
In addition to the features of the Fotovix III, the III S provides S-Video output, and a higher resolution signal, making it ideal for computer imaging. Also features 3X zoom lens.

FX2001 .....CALL

CALL FOR FREE PRODUCT INFO

#### SCREENS





#### BRETFORD PROJECTION SCREENS

rojection screens are not all created equal. Bretford screens are made with special attention to details that make them work better and look better, too. Select from a variety of sizes and surfaces based on your audience and room size. The Bretford Glass Beaded surface provides excellent picture brightness and is specially designed for long, narrow rooms. The Silver Lenticular, which delivers a high proportion of the projected light to the audience, is perfect for rooms where surrounding light cannot be controlled. The Matte White is an excellent surface for wide angle viewing, like classrooms and training rooms.

#### Series 375 Tripod Screens (A)

When your presentation is on-the-move, you can always rely on a Bretford Tripod Screen for fast and easy set-up. Features include steel legs with magnetic locking mechanism, and steel case with black painted endcaps.

50" x 50" Matte White <b>KN8860</b>	\$78.79
60" x 60" Matte White <b>KN8870</b>	\$109.95
70" x 70" Matte White <b>KN8880</b>	\$116.95
50" x 50" Glass Beaded KN8865	\$82.89
60" x 60" Glass Beaded KN8875	\$112.95
70" x 70" Glass Beaded <b>KN8885</b>	\$118.95
Specifications are subject to change.	

#### Series 300 Tripod Screens (B)

A built-in *keystone eliminator* tilts the screen forward to eliminate perspective distortion, known as "keystoning." Also features diecast handle, sturdy aluminum legs with magnetic locks, and 1" black border.

\$151.95
\$157.95
\$154.95
\$160.95
\$157.95
\$163.95

#### Series 200 Wall Screens

Mounts to wall or ceiling for quick access. Perfect for classroom or office. Features steel case with painted endcaps and 1" black border. Matching slat retracts into case opening to keep out dust and dirt.

50" x 50" Matte White <b>KN8740</b>	
60" x 60" Matte White <b>KN8750</b>	\$56.59
70" x 70" Matte White <b>KN8760</b>	\$69.19
50" x 50" Glass Beaded <b>KN8745</b>	\$52.79
60" x 60" Glass Beaded <b>KN8755</b>	\$59.49
70" x 70" Glass Beaded <b>KN8765</b>	\$72.59

#### TABLES



#### **Project-O-Stand**

#### Model 425 Project-O-Stand

#### Model 203-56 Project-O-Stand

Lightweight, portable and self-storing, the 11 lb. Project-O-Stand, Model 203-56, features telescoping aluminum legs with clutch collars and rubber tips. The aluminum projector shelf measures 11" x 19" and will support 85 lbs. when legs are fully extended. Adjusts from 32" to 56" high.

#### DL5010.....\$155.95

#### **Project-O-Stand Accessories**

#### **Accessory Shelf**

A wood laminate, 14½" x 22" storage shelf for trays, dissolve units, etc. **DL5020.....\$29.00** 

#### **Piggy Back Stand**

Aluminum three-legged rack allows an additional Ektagraphic projector or dissolve unit to be stacked on Model 203-56 shelf.

DL5030.....\$36.00



Holds work securely for even the finest
cuts, and keylined for precise alignment.
Super-sharp cutting wheel

A high quality, carbon steel wheel, enclosed safely in a comfortable handle, produces true clean cuts effortlessly.

■ Removable cutting tray
Keep work area neat and cleanup quick.
(Adds 2½" to trimmers short dimension)

12" Trimmer (19¾" x 15") <b>CR1012</b>	\$129.95
18" Trimmer (25" x 15") <b>CR1018</b>	\$144.95
24" Trimmer (31¾" x 15") <b>CR1024</b>	\$164.95

36" Trimmer (42¾" x 15")	
CR1036	\$229.95
48" Trimmer (56½" x 15")	
CR1048	\$329.95
60" Trimmer (61/4" x 15")	
CR1060	\$379.95



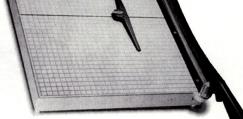
Features a safe, enclosed cutting wheel mounted on nylon bearings, self-sharpening tungsten-steel, rotary cutting blade, a double-rail carriage track and clear plastic clamp bar. *Measurements reflect overall dimensions of trimmer.* 

12" (17½" x 15")	SO8912\$140.95
15" (21½" x 15")	SO8915\$164.95
17½" (24" x 15")	SO8917\$181.95
24" (30½" x 15")	SO8924\$211.95
30" (36½" x 15")	SO8930\$281.95
36" (42½" x 15")	SO8936\$334.95
42" (48½" x 15")	SO8942\$381.95
54" (60½" x 15")	SO8954\$466.95



Features completely shielded; self-sharpening steel cutting blade, steel working surface with two 90° calibrated edge supports, and transparent clamping plate.

DN4050
18" Rotary Trimmer (221/4" x 6" x 2")
DN4060\$67.59

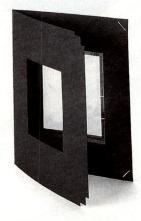


#### **Doran Deluxe Trimmers**

One piece molded Styrene body won't warp or crack. Features adjustable cutting guide, transparent cutting guard, balanced blade arm which won't fall shut, and hardened, ground steel blade. Ruled table and graduated ruler for precise, square cutting. (Cutting guide not included on 10" model.)

10" Deluxe Trimmer	DN4000\$32.99
12" Deluxe Trimmer	DN4005\$47.29
15" Deluxe Trimmer	DN4010\$64.49
18" Deluxe Trimmer	DN4015\$78.89
24" Deluxe Trimmer	DN4020\$120.95

#### MOUNTING



#### **Photofile Quik Mounts**

The perfect way to present your transparencies without any stripping or taping! Just slip your transparency into Quik Mount's archivally safe Mylar® polyester pocket, fold over the 80 lb. acidfree black cover flap and slip the die-cut

corners into place to 'lock' Quik Mount closed... completely concealing the pocket edges! All sizes feature frosted back, except 35mm and panoramic, which feature clear back. Dimensions in parentheses designate outside dimensions of page.

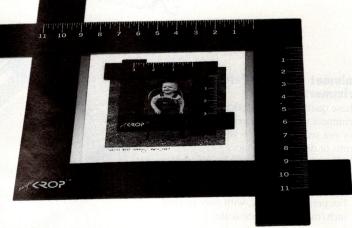
For 35mm - (4x5")

25 pkg. **PL3021......\$12.99** 100 pkg. **PL3020......\$43.99** 

1-800-CALUMET

For 6x4.5cm - (4x5")

25 pkg.	PL3026	\$12.99
100 pkg.		\$43.99
For 6x6cr	m - (4x5")	
25 pkg.	PL3001	\$12.99
100 pkg.	PL3000	\$43.99
For 6x7cr	m - (4x5")	
25 pkg.	PL3009	\$12.99
100 pkg.	PL3008	\$43.99
For 6x8cr	n - (4x5")	
25 pkg.	PL3031	\$12.99
100 pkg.	PL3030	\$43.99
For 6x9cr	n - (4x5")	
25 pkg.	PL3036	\$12.99
100 pkg.	PL3035	
For 4x5 -		
25 pkg.	PL3005	\$17.99
100 pkg.	PL3004	\$54.99
For 6x17	cm Panorami	c - (8x10")
25 pkg.	PL3041	\$17.99
100 pkg.	PL3040	



#### **Calumet Magnetic Croppers**

These marvelous "L-shaped" cropping devices work essentially on the same principle as those "homemade" cardboard, or construction paper contraptions photographers have been using for years ... except the Calumet Magnetic Croppers are made of a durable metal/plastic laminate and feature alternating magnetic strips spaced %" apart. This allows you to set a predetermined height or width, and smoothly slide the cropper into the desired secondary position in a straight

vertical or horizontal movement—always maintaining a right angle! Calibrated outside edges offer quick and easy size reference. Croppers come in sets of two and are available in three sizes.

Small Magnetic Croppers
For up to 3" x 3" image areas.
MG1000......\$19.95

Small Magnetic Croppers
For up to 6" x 6" image areas.
MG1100.....\$29.95

For up to 11" x 11" image areas.

MG1200......\$39.95



#### Light Impressions Acid-Free Linen Tape

This extra-strong, tight weave linen tape is designed specifically for hinging window mats to backing boards. Its cambric-quality linen, contains no starch fillers and will not flake or become brittle. Features pH-neutral water-activated adhesive.

1" x 20 yds.	LJ1020\$5.95
1" x 50 yds.	LJ1050\$9.49
1" x 150 yds.	LJ1150\$21.95
1" x 300 yds.	LJ1300\$43.95
	LJ2050\$12.49



#### **Dexter Mat Cutter**

Window overmats give your work that professional, finished look; offers separation (and protection) from framing glass and guards against scratches.

There is no more economical, or practical tool for making straight, beveled edges than the Dexter Mat Cutter. This handy tool makes straight or 45° beveled cuts and features adjustable angle or depth. *Includes 5 blades*.

KT0300 \$22.29

Replacement blades (3 pkg.) **KT0301......\$2.75** 

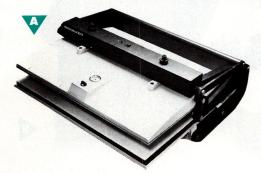


#### Logan Model 4000 Mat Cutter





#### Logan Simplex 40" Mat Cutter



#### **Seal Masterpiece 500**

Seal Masterpiece 500T

Features a large 26" x 34" platen which handles work in sections up to 52" by any length. Mounts large posters and prints easily. U.L. Listed. Shipping Weight: 300 lbs. SA8850 (A) ①.....\$1669.00

#### Seal Masterpiece 500T-X

In addition to features of the 500T, the 500T-X also includes the ZVS controller for precise temperature control and extended thermostat life. U.L. Listed. Shipping Weight: 300 lbs.

SA8855 ① ......\$1799.00

#### **Seal Commercial 210**

#### Seal Commercial 210M

Good general purpose press for daily usage. Features an 181/2" x 23" platen which handles work in sections up to 36" wide by any length. U.L. Listed.

SA8821 (B).....\$799.95

#### Seal Commercial 210M-X

Has all of the features of the 210M, plus the ZVS controller for ultimate temperature control and longer thermostat life. U.L. Listed SA8825 .....\$921.95

#### Seal Jumbo 160M

Affordable intermediate-size press with 181/2" x 151/2" platen. Handles work in sections up to 36" wide by any length. U.L. Listed. SA8816 (C).....\$626.95

#### **Seal Swing Arm 110S**

Modestly priced "starter press" with a 12" x 15" platen which swings out of the way for access to work area. Mounts work sectionally up to 24" by any length. U.L. Listed. SA8811 (D).....\$420.95

#### Tacking Irons

#### Sealecter II

A must for professional, precision mounting. Tacks artwork into position so it won't shift in the press. Equipped with thermostatic control and Teflon coated shoe. 115 volts. UL Listed.

SA8900 ......\$51.49

#### Sealecter III

Same as Sealecter II, but with a pre-set temperature control. SA8910.....\$46.49



#### Seal Release Paper

Special silicone treated paper that is essential to protecting your platen and your work.

SA8790.....\$24.79 Roll 26" x 5 yds. SA8791 ......\$48.09 Roll 26" x 20 yds.

#### **Archival Dry Mount Tissue**

For archival quality dry mounting. Recommended temperature range 160 to 200°F. (100 sheet pkg.)

8" x 10"	SA1011	\$19.89
11" x 14"	SA1012	
16" x 20"	SA1013	\$75.09

#### **Seal Fusion** 4000 Adhesive

For mounting to all boards and materials. Neutral pH balance protects prints. (100 sheet pkg.)

SA8770 .....\$17.99 8" x 10" 11" x 14" SA8771 .....\$34.49 16" x 20" SA8773 .....\$70.69

#### **Color Mount Dry Mount Tissue**

For RC (Resin Coated) color and B&W paper. Recommended temperature 205°F. (100 sheet pkg.)

An army management		
8" x 10"	SA1031	\$15.89
11" x 14"	SA1032	
16" x 20"	SA1033	\$65.19

#### MT-5 Dry Mount Tissue

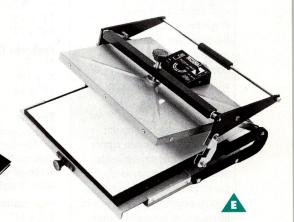
For fiber-based paper. Recommended temperature 200°F. (100 sheet pkg.)

8" x 10"	SA1051	\$14.39
11" x 14"	SA1052	\$28.59
16" x 20"	SA1053	\$53.59

Prices are subject to change.



Scotch Photo-Mount Spray Adhesive (16 oz.) BR1155 .....\$9.00



#### **Bogen Technal 510**

Mounts 11" x 14" prints on 16" x 20" board in one operation. Open on three sides with 12" x 15" heating platen, provides thermostatically controlled temperatures from 180° to 325°F.

BG7110 (E) .....\$369.95

#### **Bogen Technal 560**

Features a sliding bed for easier positioning of your materials. Its oversized yoke opens on three sides to permit mounting 16" x 20" prints on 20" x 24" boards in one operation, while work up to 36" wide can be handled in sections. Temperature ranges from 180° to 325°F. Platen measures 181/2" x 221/2".

BG7121 .....\$599.95

1 Items marked with this symbol are too large for UPS Surface delivery, and require shipment by truck, Freight Collect.

## PANODIA

#### PRINT PORTFOLIO SYSTEM

our portfolio is the

crème of your work and should shine, stand out in a crowd, and make an unforgettable impression. A presentation case is an important part of that total picture – it is the first (and last!) impression of your work. As so, it should be considered as carefully as the photographs you select to represent your body of work.

Panodia offers an elegant presentation system well known among European and American artists for its beauty and durability. Panodia Presentation Cases and ProBooks are designed and made in France, and offer a complete interactive system for presenting your photography.

Presentation cases are available in three cover styles, Formule, Vega and Forum.
All feature a complete zipper enclosure, convenient inside pocket, cloth interior and package of 10 clear, archival-quality pages with black inserts. Its unique removable binder attaches at the top center inside the case so when the portfolio is carried, pages hang down straight.

Matching ProBooks fit perfectly into presentation cases, and make a graceful finishing touch to leave with a client. Their compact size also makes them ideal to slip into an overnight package and send to a prospect across the country. ProBooks have become a favorite among many professionals and adds polish to any presentation. Each book features archival-quality welded pages that offer quick access with open tops. Choose from Formule, Forum or Basic styles.

#### **Formule**

Show your impeccable style with the sharp designer look of Formule. Features double carrying handle and dimpled black polypropylene finish that's virtually scuff-proof.

Presentation Cases (10 pages) (A)			
8½" x 11"	PH1610	\$97.39	
9½" x 12½"	PH1600	\$101.95	
11" x 14"	PH1620	\$122.95	
14" x 17"	PH1630	\$146.95	
ProBooks (	20 pages) (B	3)	
5" x 7"	PH1640	\$19.89	
8" x 10"	PH1650	\$29.59	
11" x 14"	PH1660	\$54 99	

#### Forum

Make a grand entrance into an art director's office with this high quality pressed leather case, accented with black stitching and smartly styled "hidden" handle.

Presentation Cases (10 pages) (C)		
8½" x 11"	PH1780	\$115.95
9½" x 12½"	PH1750	\$118.95
11" x 14"	PH1760	\$137.95
14" x 17"	PH1770	\$165.95
ProBooks (	20 pages)	
5" x 7"		\$28.39

<b>ProBooks</b>	(20 pages)	
5" x 7"	PH1810	\$28.39
8" x 10"	PH1820	\$39.09
11" x 14"	PH1830	\$61.49
Multi-ring	Presentation	Binders
8½" x 11"	PH1790	\$36.59
11" x 14"	PH1800	\$49.09

#### Basic

#### ProBooks (12 pages)

It may be basic, but never boring! This sleek ProBook features a black vinyl cover with a high-quality feel, economical price and durable, scuff-proof finish.

5" x 7"	PH1900\$18.3	39
8" x 10"	PH1910\$22.1	19
11" x 14"	PH1920\$41.2	29

# **Vega**Presentation

Cases
You'll love the graceful, clean
lines of the Vega line of 11" x
14" cases. Fashioned of textured
black polypropylene with a very
durable and beautiful, scuff-proof
finish. Available in a Standard
case and a unique Easel style.
The Vega Easel quickly snaps
together for an impressive
tabletop presentation.

Standard Case	
PH1700	\$130.95
Easel-style Case	
PH1710 (D)	\$149.95

# Extra Binders and Refill Pages

**Extra Binders** 

Buy an extra interchangeable binder or two so you can tailor your portfolio to your clients needs—instantly. Fits all cases except Vega Easel-style. Refill Pages are archival quality and sold in packages of 10.

For 8½" x 11" Case <b>PH1950</b>	\$24.39
For 9½" x 12½" Case <b>PH1960</b>	\$26.19
For 11" x 14" Case <b>PH1970</b>	\$32.49
For 14" x 17"Case <b>PH1980</b>	\$47.89
Refill Presentation Page For 8½" x 11" Case PH1530	
For 9½" x 12½" Case <b>PH1500</b>	\$16.39
For 11" x 14" Case <b>PH1510</b>	\$18.89
For 14" x 17"Case <b>PH1520</b>	\$27.99



# **Transparency Display System**

#### **Proslides**

Proslides are black presentation boards to present and view transparencies, and designed to display different insert size mounts. Supplied with a frosted back protective sleeve. Available in Pal size (8½" x 11¾" overall) or Pag size (12" x 15¾" overall).

35mm	
Pal, 12 – 2" x 2"	
PH1110 (A)	\$8.05
Pag, 20 – 2" x 2"	openings
PH1150 (B)	\$10.89
6 x 4.5 and 6 x	5cm
Pal, 6 – 2¾" x 2¾"	
PH1120 (C)	\$10.79

Pag, 12 - 23/4" x 23/4" openings* PH1160 (D) .....\$14.49

* Includes 6 x 6cm mounts

	,	
6 x 4.5, 6 x	6,6x7	and 6 x 9cm
Pal, 2-4" x		
DIT4400 -		40.0=

PH1132 (E) .....\$8.95 Pag, 4 - 4" x 5" openings

PH1134 (F).....\$11.19 6 x 6, 6 x 7, 6 x 9cm and 4" x 5" Pal, 2-5" x 7" horiz. openings

PH1140 (G) .....\$8.95 Pag, 4 - 5" x 7" openings

6 x 7cm

6 x 9cm

4" x 5"

5" x 7"

8" x 10"

O.D. 4" x 5"

O.D. 5" x 7"

O.D. 4" x 5"

O.D. 5" x 7"

O.D. 5" x 7"

O.D. 91/2" x 12"

O.D. 9½" x 12"

PH1170 (H) .....\$11.19 5" x 7" and 8" x 10"

Pag, 1 – 9½" x 12" opening PH1180 (I).....\$11.19

PH1290 (O) .....\$6.30

PH1320 (R) .....\$8.95

PH1300 (P).....\$6.30

PH1360 (S).....\$8.95

PH1330 (T) .....\$8.95

PH1340 (U) ......\$18.99

PH1350 (V) .....\$18.99

#### Mounts

Black adhesive transparency masks for use in Proslides. 10 per package, except where noted.

#### 35_{mm}

O.D. 2" x 2" (100 pkg.) PH1250 (J) .....\$14.09

6 x 4.5cm O.D. 2¾" x 2¾" (100 pkg.) PH1260 (K) .....\$32.89

O.D. 4" x 5" PH1370 (M) .....\$6.29

#### 6 x 6cm

2¾" x 2¾" (100 pkg.) PH1270 (L) .....\$32.89

O.D. 4" x 5" PH1280 (N) .....\$6.30 O.D. 5" x 7"

PH1310 (Q).....\$8.95

**Presentation Pages** 

Vinyl, hole-punched sleeves for Proslides.

For Pal pages. (10 pkg.) PH1200.....\$11.79 For Pag pages. (10 pkg.) PH1190.....\$20.79



Tear-apart, archival vinyl protective sleeves with clear fronts and diffused backs for negatives or transparencies.

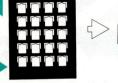
2 x 2-20 (100 pkg.) PH1380.....\$72.89 6 x 6-12 (100 pkg.) PH1385.....\$77.39

6 x 7-8 (100 pkg.) PH1390.....\$72.89



4 x 5-4 (100 pkg.)	
PH1400	\$58.49
135-7 strips (100 pkg.) <b>PH1405</b>	\$72.89
120-3 strips (100 pkg.) <b>PH1410</b>	\$58.49

**PROSLIDES** 

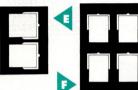




**MOUNTS** 



















#### **Non-Adhesive Mounts**

A reusable display mount consisting of a heavy black paper sandwich which is PH neutral and an acetate sleeve with a frosted back. Transparencies must be secured with tape.

3/2 X 3	
35mm single (25 pkg.) <b>PH1210</b>	\$20.29
6 x 4.5 single (25 pkg.) <b>PH1212</b>	
6 x 6 single (25 pkg.) <b>PH1214</b>	\$20.29
6 x 7 single (25 pkg.) <b>PH1216</b>	\$20.29
6 x 8 single (25 pkg.)	

PH1218.....\$20.29

PH1220.....\$20.29

6 x 9 single (25 pkg.)

8"x 10"	
6 x 6-6 (10 pkg.) <b>PH1222</b>	\$21.19
4 x 5 single (10 pkg.) PH1224	
<b>8½"x 11¾"</b> 35mm 24 (10 pkg.) <b>PH1226</b>	\$26.99
6 x 4.5-6 (10 pkg.) <b>PH1228</b>	\$26.99
6 x 6-6 (10 pkg.) <b>PH1230</b>	\$26.99
6 x 7-6 (10 pkg.) <b>PH1232</b>	\$26.99

#### PORTFOLI



#### Lightware 11 x 14 Portfolio Case

Designed to slip right into an overnight express box, the Portfolio Case will get your 11" x 14" boards and tear sheets (stored in an inside pocket) to prospective clients quickly and safely. Black case is 2" deep and lined.

L17000 \$99.99

LI7000	\$99.99
8 x 10 Portfolio Case	
L16995	\$79.99
16 x 20 Portfolio Case	
LI7005	\$129.95



#### Fiberbilt Print Shipping Cases

Versatile shipping cases of Vulcan Fibre with heavy-gauge steel corners, extra-strong straps and patented Spring Clip Cardboard. *Also available in 3" and 4" depths.* 

		1"		2"
Print Size	Cat. No.	Price	Cat. No.	Price
8 x 10	FB3310	\$27.95	FB3330	\$31.50
11 x 14	FB3210	\$29.95	FB3335	\$37.95
14 x 17	FB3315	\$31.50	FB3340	\$38.95
16 x 20	FB3212	\$34.95	FB3345	\$42.50
20 x 24	FB3320	\$38.50	FB3350	\$54.50
24 x 30	FB3325	\$51.95	FB3355	\$64.95



transparency to the exact dimensions (accurate to 1/16 inch) required by each unique layout.

and mount your

4 x 5 (pkg. 40) Makes 20	mounts.
CK1000	\$16.9

8 x 10 (pkg. 40) Makes 20 mount	is.
CK1050	\$18.99



Simply slide your transparencies into individual, precision die-cut openings for a clean and professional appearance. Each Mount is finished in flat black and is rigidly constructed of pressed cardboard. Included with each Mount is a protective plastic cover sleeve with frosted back and masks.

#### 35mm Pre-Vu Mount-12

Holds 12 –	- 35mm mounte	ed slides. (11" x 14")
SG7010		\$7.95
SG/010	••••••	

#### 35mm Pre-Vu Mount-20

Holds 20 – 35mm mounted slides.	(12"	x 16"
SG7020		.\$7.95

#### 21/4 x 21/4 Pre-Vu Mount

#### 6 x 6cm Pre-Vu Mount

Holds 12 – 6 x 6cm mounted transparencies. (12" x 16")

SG7030......\$7.95

#### 6 x 7cm Pre-Vu Mount

Holds 8 – 6 x 7cm mounted transparencies. (12" x 16")

SG7040......\$7.95

#### 4 x 5 Pre-Vu Mount-2

Holds 2 – 4" x 5" transparencies. (11" x 14") **SG7002 \$7.95** 

#### 4 x 5 Pre-Vu Mount-4

Holds 4 – 4" x 5" transparencies. (12" x 16") SG7050......\$7.95

#### 5 x 7 Pre-Vu Mount

Holds 1 – 5" x 7" transparency. (11" x 14") SG7004......\$7.95

#### Replacement Sleeve

Kepiaceme	ement Sieeve		
11" x 14"	SG7080	\$13.95	
12" x 16"	SG7100	\$17.95	



#### Tenba Portfolio Cases

Cases with durable good looks *and* extra protection. Feature black Protek nylon construction, waterproof/shockproof foam on sides and bottom, leather handle, detachable shoulder strap and ID holder. Holds boards or 2" portfolio box.

8" x 10"	TE2040	\$69.69
11" x 14"	TE2050	\$93.19
16" x 20"	TE2060	\$131.95



#### **Presentation Sleeves**

These high quality vinyl transparency sleeves feature wide opaque black borders for a professional look. The back of the sleeve is frosted for even light distribution.

For 6 x 6cm (25 pkg.)	PH1450\$11.39
For 6 x 7cm (25 pkg.)	PH1460\$11.39
For 4" x 5" (10 pkg.)	MX6500\$6.95
For 4" x 5" (25 pkg.)	PH1470\$17.09
For 8" x 10" (10 pkg.)	MX6520\$12.95
For 8" x 10" (25 pkg.)	PH1480\$49.59



#### **Light Impressions Portfolio Boxes**

Enhance your presentation and protect your work with these archivally constructed Portfolio Boxes. Classic clamshell design provides easy access to matted prints. Constructed of durable, library-quality, black fabric cover, heavyweight binder's board, acid- and lignin-free paper lining and reinforced hinge for years of repeated use. Portfolio Boxes are 2" deep, and will hold up to 20 4-ply overmatted/2-ply backed prints.

to 20 . prj o remantem 2 prj smemor	P.III.
8 x 10 Portfolio Box (8½" x 10½" I.D. LJ5000	
11 x 14 Portfolio Box (11¼" x 14¼" I <b>LJ5010</b>	
14 x 18 Portfolio Box (14¼" x 18¼" I <b>LJ5020</b>	
16 x 20 Portfolio Box (16¼" x 20¼" I LJ5030	

Note: 11 x 14 and 16 x 20 Portfolio Boxes are available in other colors. Call for details.

#### **Archival Storage Boxes**

For maximum protection of photographic materials, all boxes are made from a sulphur- and lignin-free alpha cellulose with a tan alkaline buffered exterior and a neutral pH, non-buffered interior. A core polyester barrier prevents humidity fluctuations and protects against harmful compounds such as ozone.

**Drop-Front Print** Storage Boxes (A)

With drop front panel for easy print access.

8x10 Storage Box (81/2 x 101/2 x 3") LG3000.....\$8.95

9x12 Storage Box (91/2 x 121/2 x 3")

LG3002.....\$9.95

11x14 Storage Box (111/2 x 141/2 x 3")

LG3004.....\$11.49

16x20 Storage Box (161/2 x 201/2 x 3")

LG3008.....\$16.49 20x24 Storage Box

(201/2 x 241/2 x 3") LG3012.....\$21.95

#### Flip-Top Negative Storage Boxes (B)

21/2" deep boxes with easy access hinged top.

4x5" Storage Box (6 x 47/8 x 29/16") LG3200.....\$3.29

5x7" Storage Box (8 x 57/8 x 29/16")

LG3202.....\$4.29 8x10" Storage Box

(11 x 87/8 x 29/16") LG3204.....\$5.19

#### 4x5 Bulk Storage Box with Dividers

101/2 x 53/4 x 41/2" one-piece box. Movable block keeps negatives upright.

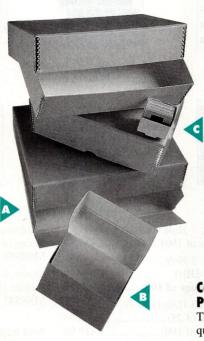
LG3206.....\$13.29

#### 400 Slide Storage Box (C)

This 111/4 x 6 x 21/2" two-piece box holds up to 400 slides in twenty holders.

LG3100.....\$7.95

Prices are subject to change without notice.



#### **Glassine Negative Envelopes**

Glassine, the classic negative storage material is economical and easy to handle.

35mm, 6 Frame

KL6010 (Package of 100) ....\$4.99 Per/10 packages.....\$3.99 21/4" sq., 4 Frame

KL6020 (Package of 100) ....\$7.29 Per/10 packages.....\$6.29

4x5", Single Frame (open end) KL6030 (Package of 100) ....\$3.69 Per/10 packages.....\$2.99

5x7", Single Frame (open end) KL6040 (Package of 100) ....\$5.79 Per/10 packages.....\$4.79

8x10", Single Frame (open end) KL6050 (Package of 100) ....\$5.49 Per/10 packages .....\$4.49

#### **Kraft Paper Negative Preservers**

These crisp manilla paper envelopes were designed specially for negative filing and storage. Perfect for cataloging negatives with exposure data or notes on subject at your immediate disposal.

4x5" Kraft Envelopes KL5010 (Package of 500) ..\$29.99

5x7" Kraft Envelopes

KL5015 (Package of 500) ..\$30.99 8x10" Kraft Envelopes KL5020 (Package of 500) ..\$24.99



These economical archivalquality storage sleeves will protect your negatives, transparencies, or prints from such image-degrading elements as dust, heat, humidity, and fingerprints. Each page is a single sheet of 3 Mil polypropylene, with one folded flat edge that lies truly flat and one open edge fold.

35mm Slides 2x2" Poly Sleeve Clear

PL1040 (package of 25).....\$3.19 PL1045 (package of 100)....\$9.79

4x5 Poly Sleeve Clear

PL1050 (package of 25).....\$3.19 PL1055 (package of 100)....\$9.79

4x5 Poly Sleeve Frosted PL1250 (package of 25).....\$3.99

PL1255 (package of 100)..\$11.29

5x7 Poly Sleeve Clear PL1060 (package of 25).....\$3.99

PL1065 (package of 100)..\$11.29

8x10 Poly Sleeve Clear PL1070 (package of 25).....\$7.99

PL1075 (package of 100)..\$22.99

8x10 Poly Sleeve Frosted PL1260 (package of 25)....\$11.29 PL1265 (package of 100)..\$47.99

8.5x11 Poly Sleeve Clear

PL1080 (package of 25)....\$13.99 PL1085 (package of 100)..\$38.99

11x14 Poly Sleeve Clear PL1090 (package of 25)....\$13.99

PL1095 (package of 100)..\$46.99 16x20 Poly Sleeve Clear PL1100 (package of 25)....\$31.99

PL1105 (package of 100)..\$89.99

Calumet Mylar® Sleeves (E)

Our Mylar sleeves feature a convenient matte index area to jot down information or references. Sleeves are made with clear Mylar on the face, and a choice of clear or frosted Mylar on the back. The frosted back enhances viewing. Seams are welded by ultrasonics, thus preventing any possible contamination from harmfull adhesives.

35mm Mylar Sleeves Clear, 2 Strips of 4

PL2025 (package of 25).....\$6.49 PL2024 (package of 100)..\$10.99

21/4 x 21/4 Mylar Sleeves Clear, 1 Frame

PL2001 (package of 25).....\$3.99 PL2000 (package of 100)..\$12.99

21/4 x 21/4 Mylar Sleeves

Frosted, 1 Frame

PL2003 (package of 25).....\$3.99 PL2002 (package of 100)..\$12.99

4x5 Mylar Sleeves Clear

PL2012 (package of 25).....\$7.99 PL2019 (package of 100)..\$24.99

4x5 Mylar Sleeves Frosted

PL2013 (package of 25).....\$7.99 PL2018 (package of 100)..\$24.99

5x7 Mylar Sleeves Clear

PL2014 (package of 25).....\$9.49 PL2020 (package of 100)..\$29.99

5x7 Mylar Sleeves Frosted

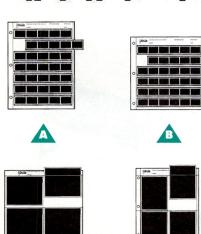
PL2015 (package of 25).....\$9.49 PL2021 (package of 100)..\$29.99

8x10 Mylar Sleeves Frosted

PL2023 (package of 25)....\$20.99

PL2022 (package of 100)..\$72.99

#### PRINT FILE



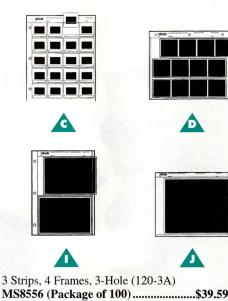
Keep your originals organized and well-protected in Print File archival-quality storage pages. And when you want a contact print, these polyethylene film preservers (approximately .0015" thick) are thin and clear enough to expose right through.

Print File's new Ultima preservation pages ("ULT") are specially designed for strips of film that are already in sleeves. This system minimizes direct contact with film and provides double storage protection. See Oversized Sleeves.

#### 35mm

7 Strips, 6 Frames (35-7)* <b>MS8530 (Package of 100)</b>	\$18.49
7 Strips, 6 Frames, w/Header (35-7A) <b>MS8535 (Package of 100)</b>	\$32.95
7 Strips, 6 Frames, 3-Hole (35-7B) <b>MS8510 (Package of 25)</b>	\$5.95
7 Strips, 5 Frames, 3-Hole (35-7B) MS8540 (A) (Package of 100)	\$19.95
7 Strips, 4 Frames, 3-Hole (35-7B4) <b>MS8527 (Package of 25)</b>	\$5.25
7 Strips, 6 Frames, 3-Hole (35-7BXW)* <b>MS8529 (Package of 100)</b>	
6 Strips, 6 Frames, 3-Hole (35-6HB)*  MS8550 (B) (Package of 25)  MS8545 (B) (Package of 100)	\$5.95
Slides	
Twenty 35mm Slides, 3-Hole (2x2-20B) MS8580 (C) (Package of 25)	\$8.49
Twenty 35mm Slides, Hanging (2x2-20l MS8587 (Package of 100)	
Twelve 120mm Slides, 3-Hole, Hanging (225-12HB)  MS8610 (Package of 100)	
120 roll film	
Single 4 Frame Strips (120-1)	<b></b>

MS8552 (Package of 100) .....\$7.95

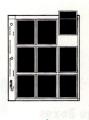


3 Strips, 4 Frames, 3-Hole (120-3A)  MS8556 (Package of 100)\$39.59
3 Strips, 4 Frames, 3-Hole, Hanging file (120-3HB) MS8553 (D) (Package of 100)\$19.95
4 Strips, 3 Frames, 3-Hole (120-4B)  MS8515 (Package of 25)
6x7cm, 9 single frames, 3-Hole, Hanging file (120-9HB)* MS8557 (E) (Package of 25)\$5.95
4 Strips, three 6x7cm Frames, 3-Hole (120-4UB)* MS8561 (Package of 100)\$22.95
70mm
3 Strip, Hanging, 3-Hole (70-3HB) MS8570 (Package of 100)\$22.95
Large Format
Single 4x5 Sheet (45-1) MS8564 (F) (Package of 100)\$8.49
Four 4x5 Sheets, Hanging file (45-4H) MS8562 (G) (Package of 100)
Four 4x5 Sheets, 3-Hole (45-4B)  MS8505 (H) (Package of 100)\$19.95
Two 5x7 Sheets, 3-Hole, (57-2B)  MS8566 (I) (Package of 100)\$19.95
Single 8x10 Sheet, Hanging (810-1H) MS8568 (J) (Package of 100)\$18.49
Single 8x10 Sheet, 3-Hole (810-1B)  MS8650 (K) (Package of 25)\$5.95

#### **Oversized Sleeves**

These brand new sheets are made with an extra-generous sleeve for room to organize even strips of film that are already in protective single-strip sleeves. Great for reorganizing your archive, or just resequencing a shoot.

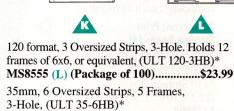
MS8645 (K) (Package of 100) .....\$18.49











MS8547 (M) (Package of 100).....\$23.99

#### **Print Pages**

Frini rages	
Eight 31/2x5 prints (35-8P) <b>MS8665 (Package of 25)</b>	\$8.50
Ten 31/2x5 prints (35-10P)  MS8680 (Package of 25)	\$8.50
Eight 4x5 prints, or four negs (45-8P) MS8670 (Package of 25)	\$8.50
Four 5x7 prints, or two negs (57-4P) MS8675 (Package of 25)	\$8.50
Six 4x6 prints (46-6P)  MS8685 (Package of 25)	\$8.50
Two 8x10 prints, or one neg (810-2P) <b>MS8690 (N) (Package of 25)</b>	\$8.50
Two 81/2x11 prints (811-2P)  MS8695 (Package of 25)	\$8.50
Thousand-Foot Rolls	
35mm 1000' Roll (35-1M)	

#### Accessories

File Hangers for "H" pages (SLB-1)
MS8440 (Package of 25)\$7.00
Oversized Custom Binder for "B" pages
MS8420 (P)\$13.29
Custom Proofer with heavy optical glass cover

MS8400 (Q) .....\$30.39

MS8590 ......\$19.95

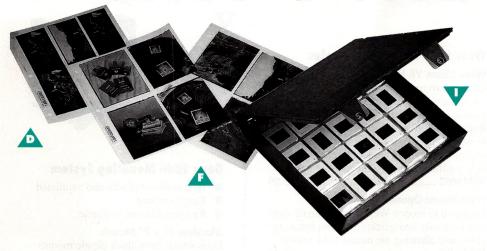
MS8592 .....\$24.95

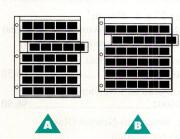
MS8594 (O) .....\$29.95

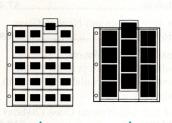
120mm 1000' Roll (120-1M)

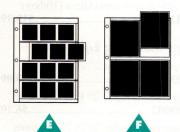
70mm 1000' Roll (70-1M)

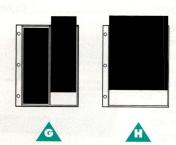
*These pages only fit Print File's Oversized Custom Binder.











#### **Calumet Archival Storage Pages**

These archival-quality, polypropylene storage pages provide excellent clarity, strength, and protection for your film. Made of 2.5 Mil highly formulated virgin polypropylene, Calumet storage pages neutralize residual acidity, making them safe for long term storage of negatives or transparencies.

All pages fit 3-ring binders, or as an alternative can be suspended in file drawers with the aid of a plastic hanger spine, which slides into a built-in panel. Calumet pages are clear, making it possible to contact print without removing your film from the page.

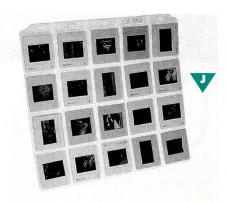
Finally, for your storage retrieval convenience, each page also features a matte data panel for writing pertinent information or reference codes.

**File Hanger Spine** 

(package of 25)

35mm, 7 Strip, 5 Fran	ne
(A) (package of 25) (A) (package of 100)	AD1025\$3.99 AD1000\$14.99
35mm, 6 Strip, 6 Fran	ne
(B) (package of 25) (B) (package of 100)	AD1075\$3.99 AD1050\$14.99
35mm, 20 Slides, Hed	avy Duty
(C) (package of 25)	AD4025\$4.69
(C) (package of 100)	AD4000\$17.49
120, 3 Strip, 4 Frame	
(D) (package of 25)	AD2025\$3.99
(D) (package of 100)	AD2000\$14.99
120, 4 Strip, 3 Frame	
(E) (package of 25)	AD2075\$3.99
(E) (package of 100)	AD2050\$14.99
4x5 Sheet, 4 Frames	
(F) (package of 25)	AD3025\$3.99
(F) (package of 100)	AD3000\$14.99
120 Panorama, 2 Stri	p, 1 Frame (6x17)
(G) (package of 25)	AD2325\$3.99
(G) (package of 100)	AD2300\$14.99
8x10 Sheet, 1 Frame	
(H) (package of 25)	AD3525\$3.99
(H) (package of 100)	AD3500\$14.99

MS8440 .....\$7.00



#### **Calumet Heavy-Weight Slide Pages**

Calumet's high quality, heavy-duty slide pages holds, protects and presents up to 20 2" x 2" mounted slides. These top loading pages are made of 8 gauge virgin vinyl, and are 3-hole punched for easy binder storage and retrieval.

Individual Slide Page	
TW1000 (J)	\$ .49
Package of 25	
Package of 100	

#### Calumet Safekeeper Storage Box

Safely store your negatives, transparencies or prints in the Calumet Safekeeper 3-ring storage box. Dust-free storage is guaranteed with its archivally safe, polypropylene construction, smooth-action hinges and sure-snap locks. Its 10" x 113/4" I.D. and three locking rings fit most storage pages. BC1013 (I).....\$8.99

#### Vices V. Cinale Carin Delle

120 Single Roll Film Sleeves	
2 %" x 32 ¼" (200 pkg.) KL <b>2000</b>	\$39.95
120 Long-Roll (25/8" x 1000') KL2010	\$61.95
35mm Long-Roll (13/4" x 240') KL2020	\$14.95
35mm Long-Roll (13/4" x 1000') KL2030	\$47.95

#### **Logan Metal Slide Files**

#### For Convenient Storage & Retrieval!

Keep your slides scratch and dust-free, while keeping them organized with an index chart.

#### **Individual Slide File**

Charcoal grey enamel case with individual styrene dividers holds up to 300 2" x 2" Ready Mounts or 150 Glass Mounts. 7½" x 14½" x 2".

LV1115.....\$10.59 **Group Slide File** 

Gold enamel case holds up to 750 2" x 2" Ready Mounts or 375 Glass Mounts. With 24 pressboard dividers. 8" x 14½" x 2". LV1200.....\$11.19

#### SLIDE MOUNTING

# DUST

ne of the most comprehensive slide mount systems available. Wess mounts listed here feature the industry-standard aperture of 34.8mm x 23.4mm, which closely matches the 94% viewfinder image of many 35mm SLR cameras, and feature Anti-Newton (A/N) glass which suppresses the formation of Newton's rings and ensure film flatness, thus increasing center-to-edge sharpness.



#### **Wess Peg Slide Mounts**

For use with pin-registered camera systems. Designed to position the film perforations over precisely sized and located mounting pegs. This ensures film registration and stability inside the mount.

AAA002 - Peg Registration Mounts with A/N Glass (50 mounts) WM1000 .....\$12.29

#### Wess Variable Registration Mounts (VR)

For film not exposed in a pin-registered camera, but must be precisely positioned within the slide mount. Allows the image to be visually pre-positioned within the aperture frame. When desired position is determined, film edge is punched (with Wess' 35mm VR Hand Punch) to align with the registration pins of the mount.

AVA002 - Variable Registration Mounts with A/N Glass (50 mounts) WM1003 .....\$12.29

#### **Wess General Purpose Mounts (GP)**

For quick and easy mounting of slides which do not require exact placement within the mount. Designed to hold the film squarely in position with small clips and rails.

AGA002 - General Purpose Mounts with A/N Glass (50 mounts) WM1005 .....\$12.29

AGX002 – Glassless General Purpose Mounts (50 mounts) WM1007 .....\$6.75

#### **Wess Slide Mount Accessories**

#### Wess 35mm VR-Hand Punch

Creates two registration holes in the non-image edge of 35mm film. Designed primarily for use with Wess Variable Registration Slide Mounts, and can be used to superimpose two images in a single VR mount. Transparent base with reference lines help position image within aperture frame. WM4002 .....\$43.89

#### **Wess Mount Opener**

Designed to reopen Wess 35mm hinged slide mounts easily and quickly, without breaking glass, and allowing the mount to be reused. WM4003 .....\$2.45

#### **Wess Paper Mount Opener**

Removes transparencies quickly and safely from paper/cardboard slide mounts. This handy device neatly slices and separates the mount along its edge, allowing you to easily peel the halves apart and remove the film. Comes with 3 single-edge razor blades.

WM4004 .....\$4.75

#### Wess Metalized Masking/Mounting Tape

Used to mask tansparencies or to bind slides between glass. Ultra-thin and metalized on both sides to eliminate pin-holes.

½" x 100 ft. WM4050.....\$3.50 ½" x 100 ft. **WM4060.....\$6.60** 

#### Wess Computer/Typewriter Slide Labels

These ¼" x 1½" self-adhesive labels come four-across on an 8" carrier sheet punched for tractor feed mechanisms and perforated every four inches. 1000 pkg.

WM4080 .....\$8.00



#### Miscellaneous **Mounting Supplies**

Pakon Silae N	nounts	
100 Mounts	BR2410	\$11.19
500 Mounts	BR2420	\$33.29
	BR2430	
	STATE OF	

#### 3M Silver Masking Tape

1/4" x 72 yards	TD8502	\$13.09
½" x 72 yards	TD8505	\$19.69
3/4" x 72 yards	TD8507	\$27.79
	TD8509	

#### **Cotton Gloves**

Prevent fingerprints from damaging film while mounting slides. 10 pair per pkg. KK9492 .....\$23.99 Size Small KK9493 .....\$23.99 Size Large



#### **Gepe Slide Mounting System**

- Heat resistant plastic and ventilated
- Easy to mount
- Re-openable and re-usable

#### Glassless 2" x 2" Mounts

Economical 2mm-thick plastic mounts 100 24 x 36mm mounts per box GM7001 (A) .....\$8.70

#### Glass 2" x 2" Mounts

24 x 36mm Plain Glass

In plain and anti-Newton glass, with and without pin registration. (20 per box)

GM6001.....\$6.50 24 x 36mm anti-Newton Glass GM6002.....\$6.90

24 x 36mm anti-Newton Glass w/pin registration GM6006.....\$7.40

40 x 40cm Super anti-Newton Glass GM6901.....\$9.90

#### Glass 2¾" x 2¾" Mounts

Available in 6 x 4.5cm and 6 x 6cm formats. Adapter available for 6 x 7cm mounts. 3mm-thick.

6 x 4.5cm anti-Newton Glass (20/box) GM2501.....\$17.29

6 x 6cm anti-Newton Glass (20/box) GM2601.....\$15.59

6 x 7cm anti-Newton Glass (10/box) GM2701.....\$18.99

#### **Gepe Mounting Equipment**

Mounting Press for 2" x 2" Mounts
GM8001 (B)\$43.09
Film Cutter for 2" x 2" Press
GM8007\$6.10
Mounting Press for 2¾" x 2¾" Mounts
GM8002\$43.09
Adapter for 6 x 7 Mounts

GM8005.....\$8.90

#### Gepe Hand **Mounting Unit** Mounts up to

400 slides per hour. Accepts Gepe 2" x 2" glassless, glass and pin registered



mounts. Includes cutter.

GM8010.....\$499.95

# Minimum Daily Requirements.



Calumet has *all* the daily requirements for the professional and serious amateur photographer — 64-pages of essentials from Kodak, Fuji, Ilford, Agfa, Oriental, Polaroid, Bowens, Calumet, Crescent, Duracell, Savage, Trengove, Zone VI, and more. We guarantee in-stock availability on all items listed in our *Essentials Catalog*, same-day shipment on all orders received before 4:00 p.m. (C.T.) and next-day delivery for a nominal upgrade charge of only \$10.95. For a copy of our *Essentials Catalog*, call 1-800-CALUMET (1-800-225-8638), or stop by the Calumet store nearest you.



You'll find it here.

Calumet Essentials Catalog!

### INDEX

<b>A</b>
Adapters: Filter153
Light Stand59
Air Cleaners191
Air Compressor
Air Release
Aluminum Cases:
Large Format112,140
Medium Format, etc139 Analyzers167
Archival Storage206-211
AV Equipment194-202,212
BackgroundsInsert at 40
Background Support63
Backlight Stand58
Bags: Camera142-145
Tripod139
Ball Heads132,134,137,138
Barn DoorsB
Batteries36,122
Battery Packs36, B
Bellows: Large Format
Close-Up
Boom Arms
Bulbs
•
Cable Releases/Adapters100,123
Cameras: 35mm114-120
Copy194
Field82-84
Instant126-127
Large Format72-77,82-86,112
Medium Format102-111
Panoramic
Camera Stands126,128,133
Cart, Equipment141
Cases: Equipment26,41,141
Large Format140-141
Med. Format139,142-145
Portfolio206,208
35mm
Center Filters96
Changing Bags92
Chemical Mixer182
Chemical Storage184
Clamps/Clips61,63-65
Cold Light Heads159-160,164
Color Heads
Compressed Air
Copy Equip124,127,194-195
Cords, Flash/Sync41, (3)
Croppers204,208
D
Darkroom Doors191
Dark Slides91, <b>3</b>
Densitometers167
Densitometers
Densitometers
Densitometers
Densitometers       167         Developing Reels       174,180-181         Developing Tanks       174,180-181         Developing Trays       183         Diffusers       46-47,55,61
Densitometers       167         Developing Reels       174,180-181         Developing Tanks       174,180-181         Developing Trays       183         Diffusers       46-47,55,61         Dissolve Units       201
Densitometers       167         Developing Reels       174,180-181         Developing Tanks       174,180-181         Developing Trays       183         Diffusers
Densitometers       167         Developing Reels       174,180-181         Developing Tanks       174,180-181         Developing Trays       183         Diffusers       46-47,55,61         Dissolve Units       201         Drums, Processing       174,181         Dry Mount Presses       205         Dryers       189-190, (3)
Densitometers       167         Developing Reels       174,180-181         Developing Tanks       174,180-181         Developing Trays       183         Diffusers       .46-47,55,61         Dissolve Units       201         Drums, Processing       174,181         Dry Mount Presses       205
Densitometers
Densitometers
Densitometers       167         Developing Reels       174,180-181         Developing Tanks       174,180-181         Developing Trays       183         Diffusers       46-47,55,61         Dissolve Units       201         Drums, Processing       174,181         Dry Mount Presses       205         Dryers       189-190, 3         Dust Removers       169,185         E       E         Easels: Enlarging       170-171         Copy       194
Densitometers
Densitometers 167 Developing Reels 174,180-181 Developing Tanks 174,180-181 Developing Trays 183 Diffusers 46-47,55,61 Dissolve Units 201 Drums, Processing 174,181 Dry Mount Presses 205 Dryers 189-190, ③ Dust Removers 169,185  ■  Easels: Enlarging 170-171 Copy 194 Electronic: Flash On Camera 34-35
Densitometers

Enlargers158-163
Enlarger Alignment Tool161,191
Enlarging Lenses165
Enlarging Timers166 Envelopes: Print/Film209-211
Exposure Calculator:
Camera93
Darkroom167
Exposure Meters66-69
Extension Bellows
Extension Tubes
Fans, Exhaust169
File Pages, Film/Slide 209-211
File Pages, Film/Slide209-211 Film Backs85,91,103-112,113
Film Clips184
Film Dryers
Film Holders:Sheet90-91 Polaroid91,113
Roll
Film Loaders181,186
Film Washers188
Filters: Center96
Gelatin
Lighting55
Polyester146
Printing185
Resin
Taking146-155
Viewing, Print186
Viewing, Subject85
Filter Adapters
Filter Frames
Flash:
Studio4-32
Brackets
Portable34-35, <b>3</b>
Location6-10,12-13,
20,24,28-32, <b>B</b> Meters66-69
Slaves
Flash Heads:
Circular5,22
Close-up23,124 Compact6,10,19
Fresnel Spot
Linear5,7
Pencil-Lite
Spot Projector5,14,23-24 Standard
Strip-lites23,44
Focusing Cloths85.92
Focus Cloth Support Frame88
Focusing Hoods
Fog Machines56
Fresnel Lens78-79,88
Funnels
G, H, I
Gas Burst Timer
Glassine Envelopes 209
Gobos5.61
Graduates184
Grain Focusers
Ground Glass78-79,88
Hangers, Film
ce Cubes56
Instant Film Processors90,127
21.54.161
_amps21,54,161 _aser Pointer201
Lensboard/Adapters80,101, B
Lensboard/Adapters80,101, 100,123 Lens Cleaner100,123 Lens Hoods:
Lens Hoods:
Fixed

Lenses: 35mm1	21, <b>B</b>
Enlarging	165
Large Format	.94-99
Medium Format Projection	201
Lights, Tungsten	48-53
Light Stands	
Light Control:	
Filters	
PanelsReflectors	
Scrims	61
Soft Boxes15,23,38	,42-44
Tents/Domes	.22,65
Umbrellas Louvers, Darkroom	40
	109
Magra Equipment 124.1	25 🔞
Macro Equipment124-1 Magnifiers: Grain	164
Lupes	39,197
Mailers, Processing	186
Masking, In-camera	90
Mat: Boards	
Darkroom Floor	191
Presentation	208
Sink	177
Meters	
Mixers, Chemical	182
Monopods 13	3,203
Monorails	
Mounting Equipment:	
Prints20	
Slides	
Transparencies	17-208
Negative Preservers20	9-211
P	
Paper Cutters/Trimmer	203
Paper Safes	171
Passport Cameras	6-127
Photoflood Lamps20	4-208
Posing Stools/Tables	62
Pouch, Lens	35,100
Press, Dry Mount	205
Printing Frames, Contact	
Print Tongs Prism Finders	163
Processors90,127,172-17	5.180
Processing:	
Tanks/Reels174,18	
Trays	
Projectors Slide 20	0-201
Projectors, Slide20 Proofers, Print	170
Props	56
Q, R	
Quartz: Bulbs/Lamps	54
Lighting Units	48-53
Radio Remote Slaves	
Reels: Adjustable17	
Stainless	181
Reflectors: Flat	
Adjustable	62
Release Paper	205
Roller Base	
S	
Safelights	168
Screens, Projection	202
Screw Driver Set	0 100
Shipping Cases20,41,14	2,122
Shooting Tables	2,122 13,208
Shooting Tables	2,122 13,208 62
Shooting Tables	2,122 13,208 62 100 169
Shooting Tables	2,122 43,208 62 100 169 175

Slaves, Flash37, @	
Sleeves, Presentation206-208	3
Slide:	
Storage207,209-211	l
Duplicators196	5
Mounts/Mounters212	2
Projector Trays201	l
Viewers197-199	)
Slide Mounting Units212	2
Snoots	)
Soft Boxes	)
Soft Boxes, On-Camera	3
Spanner Wrench Sets	)
Special Effects	)
Spray Booth	,
Squeegees	1
Stands: Camera126,128-133	+
Copy194-195	,
Light58-61,62	,
Projection202	,
Static Removal	
Step-Up/Down Rings153	
Stools, Posing62	)
Storage:	
Print/Neg./Slide208-211	
Chemical Tanks184	ļ
Strobes: Studio4-32	2
Brackets39	)
Portable6-9,18-33, <b>(B)</b>	
Sync Cords41, (3)	)
T-Mount Adapters196	5
Table:	
Enlarging161	
Projector201	
Shooting62	2
Tacking Iron205	5
Tanks:	
Chemical180,182,184	L
Developing174,180-182	2
Developing174,180-182 Tape: Acid-free Linen204	1
Developing174,180-182 Tape: Acid-free Linen204 Gaffer, Masking65	1
Developing	1
Developing	2
Developing	

# BRAND INDEX

Acculight Viewers199
Aristo Cold Lights159
Arkay: Darkroom182
Studio Stands132
Arri Hot Lights49
B + W Filters
Balcar
Beattie Screens88,123 Bencher Copystands195
Receler:
Analyzer167
Copy Stands194
Duplicator196
Easels171
Enlargers160-161 Timer166
Copy Stand194
Studio Accessories63-64
Studio Stand133
Technal Press170 Tripods132-133
Bowens:
Illumitran
Prolites12-13
Wind Machine56
Bretford Projection Screens202
Bronica Cameras
Caltar Large Format Lenses95 Calumet:
4x5 Cameras77
8x10 Instant Print Process90
BackgroundsInsert
Camera Accessories78-81
Camera Cases/Cart140-141
Drying Cabinets190
Film Storage211
Film Storage       211         Filters/Holders       80-82         Flash       4-10
Film Storage       211         Filters/Holders       80-82         Flash       4-10         Light Control Panels       46-47
Film Storage       211         Filters/Holders       80-82         Flash       4-10         Light Control Panels       46-47         Light Stands/Booms       58-59
Film Storage       211         Filters/Holders       80-82         Flash       4-10         Light Control Panels       46-47         Light Stands/Booms       58-59         Monolights       13
Film Storage       211         Filters/Holders       80-82         Flash       4-10         Light Control Panels       46-47         Light Stands/Booms       58-59         Monolights       13         Muslin Backgrounds       Insert
Film Storage       211         Filters/Holders       80-82         Flash       4-10         Light Control Panels       46-47         Light Stands/Booms       58-59         Monolights       13         Muslin Backgrounds       Insert         Rollcut Trimmers       203
Film Storage
Film Storage
Film Storage
Film Storage
Film Storage       211         Filters/Holders       80-82         Flash       4-10         Light Control Panels       46-47         Light Stands/Booms       58-59         Monolights       13         Muslin Backgrounds       Insert         Rollcut Trimmers       203         Sinks/Accessories       .176-177,183         Slave, Flash       .37         Slide Pages       .211         Soft Boxes       .15         Tungsten Lighting       .48-49         Umbrellas/Adapters       .40
Film Storage
Film Storage       211         Filters/Holders       80-82         Flash       4-10         Light Control Panels       46-47         Light Stands/Booms       58-59         Monolights       13         Muslin Backgrounds       Insert         Rollcut Trimmers       203         Sinks/Accessories       .176-177,183         Slave, Flash       .37         Slide Pages       .211         Soft Boxes       .15         Tungsten Lighting       .48-49         Umbrellas/Adapters       .40         Wood-Field Cameras       .82         Calumet/Gravity Works:       Film and Print Washers       .188
Film Storage
Film Storage       211         Filters/Holders       80-82         Flash       4-10         Light Control Panels       46-47         Light Stands/Booms       58-59         Monolights       13         Muslin Backgrounds       Insert         Rollcut Trimmers       203         Sinks/Accessories       176-177,183         Slave, Flash       37         Slide Pages       211         Soft Boxes       15         Tungsten Lighting       48-49         Umbrellas/Adapters       40         Wood-Field Cameras       82         Calumet/Gravity Works:       Film and Print Washers       188         Cambo:       Ball Heads       137         4x5, 8x10 Cameras       72-76         Camera Accessories       78-81         Roll Film Holders       91         Light Stand       22         Passport Cameras       126
Film Storage       211         Filters/Holders       80-82         Flash       4-10         Light Control Panels       46-47         Light Stands/Booms       58-59         Monolights       13         Muslin Backgrounds       Insert         Rollcut Trimmers       203         Sinks/Accessories       176-177,183         Slave, Flash       37         Slide Pages       211         Soft Boxes       15         Tungsten Lighting       48-49         Umbrellas/Adapters       40         Wood-Field Cameras       82         Calumet/Gravity Works:       Film and Print Washers       188         Cambo:       Ball Heads       137         4x5, 8x10 Cameras       72-76         Camera Accessories       78-81         Roll Film Holders       91         Light Stand       22         Passport Cameras       126         Shooting Tables       62
Film Storage       211         Filters/Holders       80-82         Flash       4-10         Light Control Panels       46-47         Light Stands/Booms       58-59         Monolights       13         Muslin Backgrounds       Insert         Rollcut Trimmers       203         Sinks/Accessories       176-177,183         Slave, Flash       37         Slide Pages       211         Soft Boxes       15         Tungsten Lighting       48-49         Umbrellas/Adapters       40         Wood-Field Cameras       82         Calumet/Gravity Works:       Film and Print Washers       188         Cambo:       Ball Heads       137         4x5, 8x10 Cameras       72-76         Camera Accessories       78-81         Roll Film Holders       91         Light Stand       22         Passport Cameras       126         Studio Stands       126,128-131
Film Storage
Film Storage       211         Filters/Holders       80-82         Flash       4-10         Light Control Panels       46-47         Light Stands/Booms       58-59         Monolights       13         Muslin Backgrounds       Insert         Rollcut Trimmers       203         Sinks/Accessories       .176-177,183         Slave, Flash       37         Slide Pages       211         Soft Boxes       15         Tungsten Lighting       48-49         Umbrellas/Adapters       40         Wood-Field Cameras       82         Calumet/Gravity Works:       Film and Print Washers       .188         Cambo:       Ball Heads       137         4x5, 8x10 Cameras       72-76         Camera Accessories       78-81         Roll Film Holders       91         Light Stand       22         Passport Cameras       126         Shooting Tables       62         Studio Stands       126,128-131         Wide Cameras       112         Canon 35mm Cameras       118-119         Cescolite Trays       183
Film Storage       211         Filters/Holders       80-82         Flash       4-10         Light Control Panels       46-47         Light Stands/Booms       58-59         Monolights       13         Muslin Backgrounds       Insert         Rollcut Trimmers       203         Sinks/Accessories       .176-177,183         Slave, Flash       37         Slide Pages       211         Soft Boxes       15         Tungsten Lighting       48-49         Umbrellas/Adapters       40         Wood-Field Cameras       82         Calumet/Gravity Works:       Film and Print Washers       188         Cambo:       Ball Heads       137         4x5, 8x10 Cameras       72-76         Camera Accessories       78-81         Roll Film Holders       91         Light Stand       22         Passport Cameras       126         Shooting Tables       62         Studio Stands       126,128-131         Wide Cameras       112         Canon 35mm Cameras       118-119         Cescolite Trays       183         Chimera       38,42,52
Film Storage       211         Filters/Holders       80-82         Flash       4-10         Light Control Panels       46-47         Light Stands/Booms       58-59         Monolights       13         Muslin Backgrounds       Insert         Rollcut Trimmers       203         Sinks/Accessories       .176-177,183         Slave, Flash       37         Slide Pages       211         Soft Boxes       15         Tungsten Lighting       48-49         Umbrellas/Adapters       40         Wood-Field Cameras       82         Calumet/Gravity Works:       Film and Print Washers       .188         Cambo:       Ball Heads       137         4x5, 8x10 Cameras       72-76         Camera Accessories       78-81         Roll Film Holders       91         Light Stand       22         Passport Cameras       126         Shooting Tables       62         Studio Stands       126,128-131         Wide Cameras       112         Canon 35mm Cameras       118-119         Cescolite Trays       183

Cullman Tripods136
Delta Darkroom Sinks175
Dexter Matt Cutter204
Domke Bags142
Filter Files153
Doran:
Paper Trimmers203
Print Dryer189
Duracell Batteries122
Durst:
Drying Cabinet189
Enlargers163
Printo Processor172
Dust-Off201
Dyna-lite Flash28-29
Fiberbilt Cases
Fotovix Video Processor196
Fuji:
Medium Format Cameras111
Fujimoto Processor172
Gepe Slide Mounts212
Gitzo Tripods/Heads134-135
Gossen Meters66,69
Gra Lab Timers166
Graphiclite Viewers198
Gravity Works:
Contact Printer170
Film and Print Washers188
Halliburton Cases139
Hasselblad Cameras102-104
Horseman Cameras & Acc 84,86
Roll Film Holders91
TIC1.
Filters201
Exposure Monitor167
Jobo: Densitometer167
Processors174
Tanks/Reels174,180-181
Misc. Drkrm167-168,178,189
Aaron Jones-Hosemaster57
Turbofilter57
Kindermann:
Tanks/Reels181
King Concept175
Kodak:
Filters155,185
Projectors200
Projector Lenses201
Safelights168
Kostiner171,185,189
LPL Easels171
LakeAir Cleaners191
Leica 35mm Cameras120
Lig-free Archival Storage209
Light Impressions204
Lightware Cases41,139,143
Portfolio Cases208
Lindahl Lens Shades149
Linhof View Cameras84
Lisco Film Holders91
Logan Slide Viewers199
Lowel Lighting50-52
Lumedyne Portable Flash33
LumiQuest34
Macbeth Viewers197
Majestic Tripods/Head136-137
Mamiria Company
Mamiya Cameras105-107 Matthews Stands/Gobos60-61

Metrolux Timer166
Metrolux Timel100
Metz Portable Flash35
Minolta:
Maxxum Camera/Lenses120
Maxxum Camera/Lenses120
Meters66-67
Moody Maxi Tool Set122
NIKKOI LEIISES.
Nikkor Lenses: Large Format98
Enlarging165
Nikon 35mm Cameras114-117
Nikon 55iiiii Cameras114-117
Nikonos Camera117
Norman Flash27,32
Novatron Flash30-31
Novation Plash
Novoflex124-125
NPC Instant Film Backs113
Magnifying Lupe89
Waginiying Lupe
Pro Ball Heads137
Nutek /Thermophot Processor.173
Omega Enlargers162
Oriental:
Cold Light Head164
Eller 196
Filters
Panodia Portfolios206-207
Paterson Darkrm181,183-184
D 1 M File
Peak Viewing Filters85
Magnifying Lupes89
Pentax:
Medium Format Cameras110
Meters66,68
Photoflex38,43
Thotorica
Photogenic:
Posing62
Lighting31,52
Lighting
PIC Light Stands62
Plume Light Banks44
Polaroid:
Tolatola.
Cameras126-127
Film Holders90-93
MP4+ Copy Stand194
WIT 4+ Copy Stand
Slide Printer127
Premier Safelights168
Paper Safes171
raper sales17
Easels171
Print File Storage Pages210
Prontor Shutters10
Fibritor Shutters10
Quantum:
Battery Packs36
Portable Flash34
Slaves37
Riteway Film Holder91
Podenstook:
Enlarging Lenses165
Enlarging Lenses163
Large Format Lenses96,99
Magnifying Lupe89,197
Rosco:
Cinefoils61
Light Filters /Gels55
Smoke Machines56
D. T. C.
Rototrim Paper Trimmers203
Saunders:
Easels170
Easels
Easels
Easels
Easels 170 Enlargers 162 Savage: Backgrounds Inser
Easels 170 Enlargers 165 Savage: Backgrounds Inser Background Stand 65
Easels 170 Enlargers 165 Savage: Backgrounds Inser Background Stand 65
Easels 170 Enlargers 162 Savage: Backgrounds Inser Background Stand 62 Film Storage 209,211
Easels 170 Enlargers 165 Savage: Backgrounds Inser Background Stand 65

Enlarging Lenses ......165

Large Format96-97
Magnifiers89,95
Seal Mounting Presses205
Sekonic Meters66,68
Slik Tripods134
Smith-Victor Lighting53
Speedmaster: Analyzers167
Densitometers167
Speedmatic Darkrm. Door191
Speedmatic Darkini. Door191
Speedotron24-26 Stroboframe Flash Brackets39
Suppoler
Sunpak:
Portable Flash34
Monolights31
Tamrac Bags/Straps122,144
Tamron:
35mm Lenses121
Fotovix201
Technal Copy Stand194
Proof Printer170
Proof Printer
Thomas Safelight168
Tint-FotoInsert
Tiffen Filters150-152
Time-O-Lite Timers172
Toyo Cameras84,87
Travelites8-9
Traveller Flash6-7
Trengove Studio Props56
Tundra Sea King Cases142
Vent-Axia Ventilators169
T7' '.
Portable Flash34
Slide Printer127
Wein Flash Slaves37
Westcott34,38,45
Wess Slide Mounts212
Wiko Lamps54
X-Rite:
Densitometers167
Silver Recovery169
Xenophon Filter Holders148
Zone VI:
Cold Light Head159
Cold Light Head159
Drying Screens189
Enlarger158
Field Cameras83
Field Data Guide85
Meters68
Timer
Tripods136



Looking for our complete selection of film,

chemicals, paper, books and videos? You'll find it in our *Essentials Catalog!* If you don't have a copy, just call 1-800-CALUMET. (1-800-225-8638)

# Shopping at Calumet..

# Order Toll-Free by Phone 1-800-225-8638

**Hours: Monday through Friday** 8 a.m. to 6 p.m. (Central Time)

For faster service, please have the following information ready. To help you organize your order, use the Order Form enclosed.

- Calumet Customer Number
- © Credit Card Number/Expiration Date
- Calumet Item Number
- Quantity and Description of Each Item
- The Price Listed in the Catalog

# Order By Fax: 1-708-860-7105

**Hours: Monday through Sunday** Our fax line is open 24 hours a day!

Be sure to include the shipping address, method of payment and a daytime phone number. Also please include a credit card expiration date on credit card orders.

#### **Order By Mail**

Send the order form and payment to:

#### Calumet Photographic, Inc. 890 Supreme Drive Bensenville, IL 60106

Please call for price confirmation before you mail in your order. Residents of IL, NY, CA and VT should add state sales tax.

#### **Shipment of Orders**

#### Same Day Service

We're ready to impress you with our fast and accurate service! If your phone, fax or mail order is received by 4 p.m. (C.T.), Neil, Orlando and everyone in the picking and packing department will make sure your order is shipped that same day! And, if you request any type of express shipping service, you receive same day service... no matter when you place your order!

#### **Standard Shipping**

Unless you request another shipping method, your order will be shipped F.O.B. Bensenville, Illinois, by UPS Surface.

## Shipping, Handling & Insurance Charges

All orders will be billed actual shipping charges, including those not shippable by UPS Surface (to such addresses as APO, FPO and P.O. Box) and orders containing items subject to shipping restrictions (marked with ① symbol). Items too large for UPS Surface delivery (marked with ① symbol) are shipped by truck, Freight Collect, within 24 hours of ordering. Please ask a Technical Sales Representatives for an estimate of your shipping charges.

Because we want to protect you and your order, every shipment is insured with the shipping carrier. Please be sure to include the \$3.00 handling charge plus insurance fee of 40¢ per each \$100 when ordering.

#### **Next Day Delivery**

Need your order to arrive tomorrow? Our shipping department says, "No problem!" Simply include an additional \$10.95 to your shipping estimate, and we will ship your order to you via U.P.S. Next Day Standard Air.*

*U.P.S. Next Day Standard Air guarantees delivery by 3 p.m. next day in most areas of the 48 contiguous states. \$10.95 upgrade charge applies for all orders up to 20 lbs. Some restrictions may apply, such as chemicals, etc.

#### **Terms of Payment**

#### Credit Card Orders

Orders may be charged directly to your Visa, MasterCard, Discover or American Express card. We reserve the right to hold all first-time customer orders pending cardholder address verification.

#### Check With Order

Calumet will process your check and reserves the right to hold orders pending bank or check clearance.

Sorry, no COD's.

#### **The Leasing Advantage**

Buying big ticket items can be a drain on cashflow, and that can put a strain on your business. Calumet's Leasing Program helps expand your purchasing abilities without large capital outlay. By allowing you to spread out payments over as long as 60 months, leasing helps avoid the cash crunch, and it allows you to start using the equipment right away. Call 1-800-CALUMET (1-800-225-8638) for details.

#### **Return Policy**

- 1. When you receive your packages from Calumet, save your packaging and the warranty card. To qualify for return, the item must be in brand new condition, in the original undamaged packaging with all components and the original unused warranty card.
- 2. You may return an item for any reason within 15 days from date of shipment. For your protection, we do not accept returns of film, paper, chemistry, polyester and resin filters, and videos, unless they are shown to be defective in manufacture. Because of their unique nature, we cannot accept returns of stainless steel sinks and processors or special order items, unless shown to be defective in manufacture.
- 3. To return an item, please complete the back of the receipt enclosed with your shipment. If you have any questions about a return, please call our Customer Service Department toll-free at 1-800-453-2550.
- 4. We recommend that all returns be sent back by United Parcel Service prepaid. Returns sent C.O.D. or 'shipping charges collect' cannot be accepted.
- 5. All returns that do not meet the terms of Calumet's return policy will be subject to a minimum 15% restocking fee if accepted.

The entire Calumet team has made every effort to assure the accuracy of all information in this catalog. We reserve the right to correct any errors, whether in pricing, description, specification, etc. All prices and specifications are subject to change without notice. Some prices may be subject to quantities on hand and availability.

#### **ORDER NOTES**

If you've ever placed an order with us and then, about an hour later, you called back to add another item, change an item, or switch to next-day delivery — you know that little things like "Order Numbers" and "Customer Numbers" do play an important role in our ability to serve you efficiently.

For your ordering convenience, we provide the following space for you to log in the most basic — and yet essential information of each order. Having rapid access to this data when you call in with a question will expedite answers to your questions.

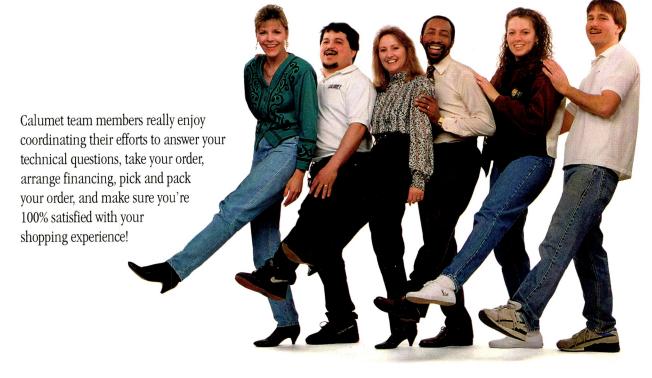
So, immediately after placing your next order, take a few moments to record the Date, Order Number, and a few notes about that order. You'll be amazed how much time this will save you, should any questions arise.

But before you begin, "What's your Customer Number?" (It appears on your mailing label, right above your name!)

**Your Customer Number:** 

Date of Order	Order Number	Order Notes
1 1		The second secon
1 1		
1 1		
1 1		O result in the state of the st
1 1		-100 (A)
1 1		tuiff mad the care and chear
1 1		in Crowdy a terace comment of
		Section Officers and American
, ,		A TOTAL AND A
1 1		

# Step by Step!



Orlando Ruiz Order Picking & Packing

Laurie Myhre-Choate
Customer Service

Bridget Rehders

Customer Service

Roy Shelby Financial Services

Laura Lange Bensenville Store Neil Einecker Order Picking & Packing

#### **Calumet Limited Warranty**

#### Applies to Calumet, Cambo, Caltar and Balcar brand products only

Calumet Photographic, Inc. warrants that Calumet and Cambo brand products shall be fit for the ordinary and reasonable purposes for which said products are designed and shall be free from defects in materials and workmanship from the original date of sale to the customer for one year (unless otherwise noted). Calumet and Balcar flash power packs and heads are covered by a 2-year warranty. Caltar, Schneider and Rodenstock large format lenses are covered by a limited lifetime warranty. Call for details. Calumet makes no other warranty of any kind with respect to these products.

Should these products require service, Calumet will repair or replace, at our option, any product or part shown to be defective in material or workmanship by our inspection.

Repairs made necessary by reason of accident, misuse or normal wear are not subject to this warranty. Calumet is not responsible for any incidental or consequential damages, inconvenience or loss caused by product failure.

All products returned for warranty service must be properly packed and sent with proof of purchase, prepaid and insured to:

Calumet Photographic, Inc. Attn: Service Dept. 890 Supreme Drive Bensenville, IL 60106 This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of any incidental or consequential damages, so the above exclusion may not apply to you.

#### **Manufacturer Warranties**

Due to space limitations, we can't mention every manufacturer's warranty in this catalog. If you have specific questions regarding warranty on a product, just call 1-800-CALUMET (1-800-225-8638).

#### **Warranty Repair**

Applies to Calumet, Cambo, Caltar and Balcar brand products only

Should you have a Calumet, Cambo, Caltar or Balcar brand product that requires warranty service, return the item, prepaid, directly to Calumet.

#### Warranty Repair for Non-Calumet products

All other products are covered by manufacturer's warranty. If they should require service under warranty, please return the items directly to the manufacturer or their authorized service center nearest you.

#### About "CALL" Prices

You may notice that some items in this catalog have "CALL" in place of a price. There are several reasons why this may occur.

Products likely to be promoted with special prices or rebate programs are often given "CALL" pricing, as are products subject to regular — and sometimes dramatic — price fluctuations over the course of a year. It could also be a case where we're able to offer a better price than the manufacturer allows us to advertise nationally.

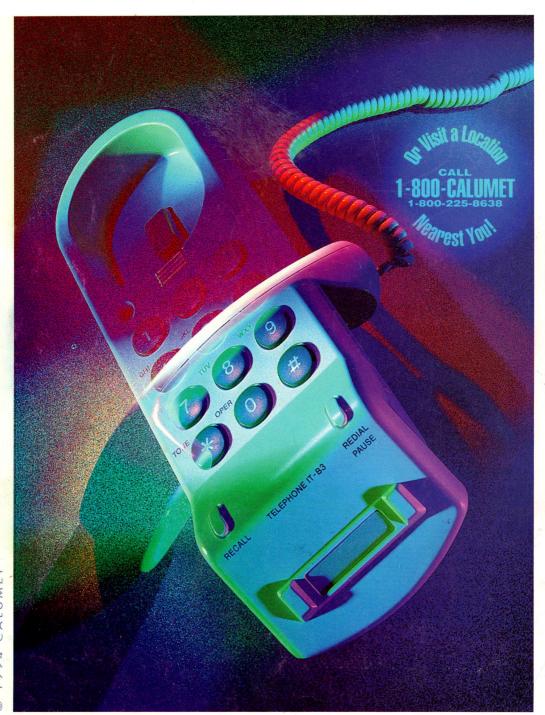
Whatever the reason, we hope you take us up on the offer; if you see "CALL," pick up the phone and dial 1-800-CALUMET (1800-225-8638). We look forward to your call!

#### About The Photographer's Catalog

This catalog is printed on recycled paper, 30% of which came from post-consumer waste (i.e. nearly ½ of this sheet you are reading was used before, and now it's at work again). Even the vamish that makes the cover more durable is biodegradable, so this entire catalog can be recycled again! We encourage you to support recycling by separating paper from other waste, requesting recycled paper when possible, and by supporting companies like Calumet that invest in recycling.

CALUMET 890 SUPREME DRIVE BENSENVILLE, IL 60106

BULK RATE U.S. POSTAGE PAID CALUMET



1994 CALUMET