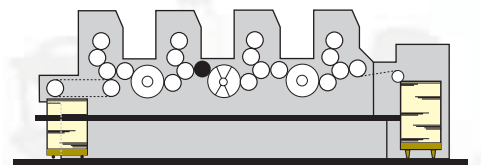




Section B – Pre-Press

Pre-Press

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Plates and Plate Chemistries

If you use products from different plate manufacturers and you are tired of searching for specific chemistries to maximize your plate performance, try our Superior plate chemistries that are effective on negative and baked positive plate types from leading manufacturers. If you use plates from these suppliers, our chemistries should perform well:

- Agfa
- American Litho
- Anitec
- Anocoil
- Creo
- Fuji
- IBF
- Lastra
- Mitsubishi
- Precision
- Spectratech
- Western Litho

When ordering our various plate chemistries, let us know what plates you are using so we can insure that you will get the performance you need!!

Plate Chemistries

Available in quarts and 1 / 5 / 30 / 55 gallon containers

SUBTRACTIVE DEVELOPER / F / L

Our negative working developers are ready to use with NO dilution. Can be applied by hand or with any negative plate processor. USE WITH SUBTRACTIVE FINISHER. It is important that you tell us what plate system you are using so we can supply the correct developer to you.

SUBTRACTIVE FINISHER / L

Finishes positive and negative plates from any manufacturer. After completing the development, rinse with water and apply finisher with a clean moist sponge, taking care to cover the entire surface of the plate. Buff dry using a cotton swab or cloth; plates finished this way should be safely stored up to 30 days under normal conditions. Use our product with any plate processor either full strength or diluted up to 40% with tap water.

Don't have good squeegee pressure in your processor finishing rollers? Try our "light" finisher product; minimizes build-up on rollers while giving an effective seal on positive and negative plates. Can be applied by hand but must be buffed down to deliver superior performance.

Available from our secondary northeast warehouse!

Plate Chemistries

2 IN 1 DEVELOPER / FINISHER / FINISHER L

May be used in any 2 in 1 plate processor. Please tell us what plate you are using so we can recommend the correct developer / finisher for you. Gently spread the product over the entire plate surface until all the non-image areas have been removed. Using a clean cloth, insure the surface is perfectly dry. DO NOT WASH THE PLATE UNTIL IT IS MOUNTED ON THE PRESS.

RAPID ACCESS FILM DEVELOPER & REPLENISHER

Use with all Rapid Access films. Dilute the product 4:1 for rapid access or 3:1 for 4th Generation Hard Dot films. May be used in a tray of film processing unit. MUST USE RAPID ACCESS FIXER.

RAPID ACCESS FIXER & REPLENISHER

Use with all rapid access films. Dilute 3:1 with water. May be used in a tray of film processing unit.

POSITIVE PLATE DEVELOPER

For developing all positive working lithographic plates. Using a soft pad or sponge, gently spread product over the entire plate surface until all the non-image areas have been removed. Wash thoroughly with water and finish; may be used in any positive plate processor.

POSITIVE PLATE FINISHER

For finishing all positive working and CTP plates. Apply to the plate with a clean / damp sponge after it has been developed and washed; then sponge dry. May be used in any plate processor.

PRE-BAKE SOLUTION

Use prior to baking conventional and CTP lithographic printing plates. Apply the same way as the finisher; may be used in any plate processor.

Plate Chemistries

THERMAL / LASER PLATE DEVELOPER

Develops positive and thermal plates; can be used in any positive or thermal plate processor or applied by hand.

ON THE FLY PLATE CLEANER

Cleans the plate during press runs. Apply to the dampener or ink form rollers using a spray or squirt bottle. DO NOT APPLY DIRECTLY TO THE PLATE SURFACE. This product will not affect the fountain solution.

PLATE CLEANER / PRESERVER / FINISHER

This milky white solution cleans, preserves and finishes all negative and positive working lithographic plates; use a clean, damp sponge over the entire surface until perfectly clean. After buffing to eliminate any visible streaks, the plate should be able to be stored under normal conditions for up to one year.

PLATE CLEANER / RECONDITIONER

Conditions while it cleans all lithographic plates, especially those scummed or poorly prepared plates you have taken out of storage. Wash thoroughly with water and return to the press or finish with our Preserver / Finisher and place back in storage.

UNIVERSAL PLATE CLEANER

Use on or off the press; can be used manually and in automated plate cleaning devices. Apply with a clean sponge over the entire plate surface; wash thoroughly and finish with Plate Cleaner / Preserver / Finisher for long term storage.

SCRATCH REMOVER / DESENSITIZER

After cleaning, rinse and dry the plate. Apply product to affected area with a clean cloth, working it into the affected area as you apply. Buff dry vigorously with a clean, dry cloth AS PRODUCT WILL NOT WORK UNLESS BUFFED DRY. If completely buffed, this area will never take ink again.

Plate chemistries available in quarts and 1 / 5 / 30 / 55 gallon containers!



Quality • Service • Value

Plate Chemistries

ELECTROSTATIC ETCH & CONVERSION SOLUTION

Use full strength for initial conversion of electrostatic plates. If you use this as a fountain solution, dilute 2 ounces per quart of water when used with integrated dampening systems, or use 4 ounces per quart for conventional dampening systems.

SPECIAL GUM REMOVAL SOLUTION

This pure gum Arabic (14 baume) based finisher for the pressroom protects plates up to 60 days under normal conditions. Cover the entire plate surface with the product using a clean, damp sponge; buff dry with a clean cloth. If plates need longer protection, we recommend using Plate Cleaner / Reconditioner to “open up” the plates before roll-up.

Enterprise Violet CTP Technology

CTP PLATES

Our production proven Enterprise line of photopolymer plates deliver excellent performance to printers on medium to long run jobs. This product will deliver accurate plate exposure with simple processing. Our .008 and .012 thick plates are packaged in 50-plate increments (except some of the larger sizes) and can be shipped in crates with a slightly longer lead time. Please call our Order Service Desk with your particular requirement. Prices on this item are subject to change without notice due to market conditions.

CTP PLATE DEVELOPER

Our developer technology delivers superior results on all violet light images plates. The product can be applied by hand or used in your automatic process. No special replenisher needed! Our developer is packaged in 1, 2-1/2, 5, 30, and 55 gallon containers. Please call our Order Services Desk with any other questions.

New technology made more cost-effective by Superior!



Quality • Service • Value

Single and Double Sided Plates

MEDIUM TO LONG RUNNING, HIGH RESOLUTION NEGATIVE PLATES

Our extensive selection of plates for Sheetfed, Web and Duplicator presses delivers “Superior” value for money when compared to other products. Our single side plates deliver high quality process color and crisp black and white results to the mid to large size commercial printer. Our sheet fed and duplicator customers may find our double side plates to be more effective in their presses.

The added value benefits of our products, starting with the ease of making corrections and resistance to scratches, finger pointing and moisture, when combined with the time saving impact of fast drawdown and minimized dot gain, make your purchase decision easier. The added feature of sharp color contrasting between image and non-image areas reduces stripping errors and highlights any errors for fast and easy correction.

An overview of our Negative - working, subtractive, aqueous plates:

<u>Gauges:</u>	Nominal thicknesses of .005, .008, .012, .015, .020
<u>Sizes:</u>	Standard and specialty sizes are available
<u>Surface:</u>	Electrochemical grain and / or anodized
<u>Resolution:</u>	One sided - 8 to 10 micron lines; 2 to 98% at 150 Lines Two sided - 6 to 8 micron lines; 2 to 98% at 200 Lines
<u>Exposure:</u>	UGRA scale - Solid 3 to 4 21 step wedge - Solid 4 to 5
<u>Process:</u>	Aqueous; use Superior Subtractive Developer / Finisher Or our 2 in 1 Developer / Finisher
<u>Run Length:</u>	One side - medium to long run in excess of 250,000 expected Two side - short to medium run in excess of 150,000 expected

** Run lengths are subject to press conditions**

When ordering, please give us the plate size / gauge / edge treatment (if any); we will advise the standard packaging for your plate type. All our products ship from our secondary Northeast warehouse.

One call does it all . . . 1-800-332-4492!



Quality • Service • Value

Pre-Press Films

RECORDING FILM / HN / HNM / HN7 / HN7M

Our dual spectrum sensitive recording films are high quality rapid access films that process in standard rapid access developers. Suitable for exposure with 633 to 670 Nm light sources, their wide processing and temperature exposure capabilities translate into “Superior” stability in production.

OUR PRODUCT SPECIFICATIONS:

<u>Film Base:</u>	PET (polyester); nominal thickness .004 in. / .10 mm
<u>Spectral Sensitivity:</u>	630 to 670 nm
<u>Optimal Processing:</u>	35°C / 25 seconds
<u>Processing Latitude:</u>	Change in dot size $< / = 1\%$; between 20-40 seconds Change in density $< = .25 D$ between 20 -40 seconds
<u>Optimal Exposure:</u>	Best sharpness at practical density between 4.5 - 5 .
<u>Exposure Latitude:</u>	Change in dot size $< = +$ or $- 1\%$ Change in density $< = +$ or $- .30 D$
<u>Dark Room Set Up:</u>	Recommend DARK GREEN Encapsulite T20/ND.75 or equivalent.
<u>Linearity:</u>	For Conventional Screening; linear within $+ or - 1\%$ at Optimal exposure and processing; Anti-Static before and after processing.
<u>Replenishment Rates:</u>	Positive Output: 250 ml / sqm Negative Output: 425 ml / sqm Fixer: 500 ml / sqm

HNm – Gives the performance profile of our HN films, with the added benefit of a matte surface making it a good choice for photo-polymer and flexographic applications

PHR – Fourth generation, hard dot, dual sensitive films; process in high contrast developer.

IR / IR matte films and various camera films are also available!



Quality • Service • Value

Pre-Press & Digital Media



LAYOUT BASE

- 2 sided AntiStatic coated, High Clarity Polyester film
- Available in 100 foot rolls on 3" cores from 14" to 60" width
- Also available in Standard Sizes from 9 x 11 to 42 x 54
- Common uses for this material are: Carrier and Scanner Cover Film
- Available from stock in these thicknesses: 3, 4, 5 and 7 mil

ANTI-NEWTON LAYOUT BASE

- 2 sided Anti-Newton coated, High Clarity Polyester film
- Available in Standard Sizes from 9 x 11 to 42 x 54
- Available from stock in these thicknesses: 4, 5 and 7 mil
- Available in 5 and 7 mil with matte finish and anti-static coating as KM 11 SR

DOUBLE MATTE POLYESTER

- Translucent (frosted) Polyester film / limited antistatic qualities
- Available in Standard Sizes from 9 x 11 to 42 x 54
- Used as drafting film and diffuser sheet in stripping applications

ORANGE VINYL MASK

- Strong, economical mask with good handling properties
- Available in Standard Sizes from 9 x 11 to 50 x 60
- Available from stock in these thicknesses: 5.5 and 7.5 mil

All films for layout and proofing!

Pre-Press & Digital Media

RUBY & AMBER MASK

- Cut and peel masking film with easy peel adhesive on polyester backing / suitable for stripping or re-adhesion
- Translucent to the eye and on the light table but opaque to the camera
- Available in short rolls as a custom / 100 foot rolls on 3" cores from 14" to 48" width
- Available from stock in these thicknesses: 3, 5 and 7 mil
- Available with self-adhesive on white release paper in 5 mil
- Green Litho hand-cut-and-peel mask available on request

PLAIN & COATED PAPER MASK / YELLOW & ORANGE

- Economical/easy to cut Goldenrod and Mandarin 80 lb. paper
- Coated paper is more rigid but easier to handle
- Available in Standard Sizes from 9 x 11 to 42 x 54

Superior Supreme Inkjet Cartridges FOR MANY OEM PRINTER MODELS

Color Matched to OEM ink; no need to change your printer profile!

Highest Quality inks produced in world-class, process monitored manufacturing facilities; not imported from low quality sites.

Fully Interchangeable with high cost OEM cartridges; plug in and print.

Excellent Value in use; replace single cartridges with no worries. Our ink will continue to deliver the same output results.

- Replacement products are available for many leading OEM printers.
- The complete spectrum of ink colors available from the OEM is also available from Superior!
- Ink cartridge volumes may vary; please call with your specific requirements.

Our OEM-quality replacement cartridges will save you money!



Quality • Service • Value

Laser Printer and Photo Copier Film

LM 04

For Positive and Negative line work and halftones. Used in creating intermediate film negatives and positive offset plates.

LMK 04 / 05

Similar to LM 04 with white matte background for color or black line work. LM 05 is an exceptional handling laser film

LT 04

Make overhead transparencies on the desktop or copier.

LWK 04

2 sided anti-static/adhesion promoting coating helps toner bonding and performs well in dye sublimation applications.

LW 07 / 10

Using the same coating as LWK 04, this product is designed specifically for laser printers, but it also performs well in offset and screen processes.

For best results, please remember that laser printers perform best in a 50-70% relative humidity, minimizing static and improving output, with printer set to "film" and toner density "low" to control toner scatter

Above products come in standard sizes from 8.25 x 11.68 to 24 x 36!

Printable Films for Digital/Regular Offset/Inkjet

DOUBLE MATTE POLYESTER

In both 5 and 7 mil with typical surface energy of 46-48 dynes/CM.

TOP COATED TRANSPARENT POLYESTER

In both 3 and 5 mil in sheets and on 3" cores up to 40" wide.

XEIKON / INDIGO POLYESTER

4 mils thick, tipped with paper, between 12.5 and 19.5 inches wide. White, transparent or matte chemically treated products are available.

RIGID PVC

8 to 20 mils thick, up to 60" wide in transparent, white, gloss/gloss or matte/matte finishes. Also available in 2.75 mil thickness with adhesive backing for offset printing.

INKJET FILMS

Available from 3 to 15 mils thick for dye or pigmented inkjet systems. Our variety of materials includes polycarbonate, polyester, polypropylene and vinyl (PVC).

Inkjet Proofing Papers

- *Compatible with all popular desktop printers and dye based inks*
- *Many papers are specifically designed for use in printers manufactured by the leading OEMs in the industry*
- *Can be used for any indoor application*
- *Our quality equals the OEM at a more competitive price*
- *Single and double sided papers in all surface finishes and thicknesses are available*

Plateroom Accessories

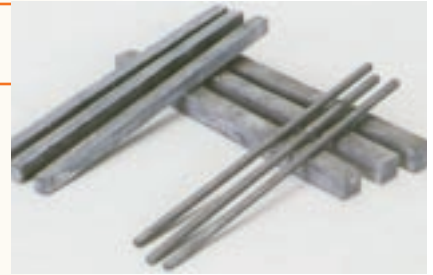
ADDITION / DELETION PENS

All brands and varieties of addition / deletion pens are available for all plate types.



PLATE HONES

Plate hones are one of the pressman's oldest and most useful tools. These extra fine grit stones remove unwanted images, scratches and oxidation from metal plates. 1/8" and 1/4" widths are available to do the job; sold in dozens.



RETOUCH TRANSFER STICKS

Lithographers love the retouch transfer sticks to easily remove blemishes on positive enlargements. Can be sharpened to a fine point and held in a holder to improve accuracy. Approximately 5-7/8" long / 20 per box / sold individually.



RUB & RUN PENCILS

Rub & Run Pencils work on both smooth and grained plates. Solid fiber construction eliminates dry out problems. Both addition and deletion varieties are available.



SNAKE SLIPS

Our fine ceramic snake slips are easily shaped to remove unwanted images from metal plates.



SPECIALTY OPTICS

We proudly represent leading manufacturers of specialty optical products for pre-press and the pressroom. Choose from our selection of linen testers, loupes, magnifiers and proofing viewers with magnification power from 10 - 100 X. Consult with us for your Specialty Optic needs!



Pressroom Accessories

INSTRUMENTS



Our pocket thickness gauges, available in inch or metric scale, deliver accurate measurements of paper, packing and blankets.



Hand held digital micrometers combine small size, ease of use and accuracy in one valuable package. The large dial face gives easily read measurements and quick zero calibration.



To insure your printing rollers give you the proper balance of hardness/softness for optimum print performance, use our simple and accurate Durometer. This small investment will deliver cost reduction benefits in the long term.



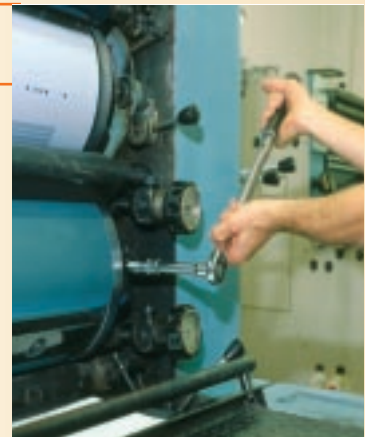
OTHER INSTRUMENTATION PRODUCTS ALSO AVAILABLE FROM SUPERIOR:

- B&W and Color Reflection Densitometers
- Plate Punches (right and left handed) sized to your press; for paper, polyester and metal plates
- Conventional Contact-Type Thermometers, and Non-Contact Infrared Thermometers with super large LCD readout, used to measure your ink and dryer temperatures safely and accurately

BLANKET TORQUE WRENCH



Our wrench allows you to accurately mount your blanket with the manufacturer's recommended tension, delivering consistent print quality.



Ask Superior when you need cost effective/time saving instrumentation products!