



ENGRAVED STATIONERY SUPPLIES  
PRODUCT CATALOGUE  
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## **COUNTER (FORCE) MATERIALS**

### **CPSP11A - WHITE COUNTERBOARD**

This 24 ply tough counterboard holds up well on long runs. Relatively easy to cut, it is used primarily as the base for most forces. Usually 2 pieces are glued together prior to cutting through 1 - ½ layers. It is Packaged in packs of 5 sheets. Each sheet is 14" x 11" x 0.072" thick (353 x 277 x 1.8mm).

### **CPSP16A - THIN FIBREBOARD**

Thin, extremely hard board usually used as an overlay for one of our other counterboards. Holds up well and reduces the need for sanding the force since it does not emboss easily. Also used as the base board for flat foil forces and as the base for composite forces in conjunction with combination foil dies. It is Packaged in packs of 5 sheets. Each sheet is 14" x 11" x 0.030" thick (353 x 277 x 0.75 mm).

### **CPSP15A - HARD GREY COUNTERBOARD**

The thickest and toughest of all the force boards that we offer. Usually used for its superior durability as a force base. As an overlay, it leaves the least amount of bruise when properly taper cut. It is Packaged in packs of 5 sheets and each sheet is 14½" x 11" x 0.080" thick (365 x 277 x 2 mm).

### **CPSP14A - TEXON MAKE-READY BOARD**

Perfect for short production runs. Cuts easily and is relatively thick. It compresses quickly, but this does not seem to affect its performance. It is Packaged in packs of 5 sheets and each sheet is 12½" x 11" x 0.076" thick (320 x 277 x 1.9 mm).

### **CPSP128B - COUNTERKNIFE**

#### **CPSP127A - COUNTERKNIFE SPARE BLADE.**

Perfect for cutting all types of forceboard. A thin, replaceable 4½" blade slips into the self-locking, adjustable wooden handle. The blade can be sharpened on an oilstone or with emery cloth and then repositioned in the handle for extended use. Knives are sold complete with blades although blades are also Packaged individually.

### **CPSP115B - MOLESKIN**

Plastic-coated material used as a force overlay when die stamping bold images. Its texture will allow you to emboss into the boldest lettering. Tough enough to hold up for many thousands of impressions. It is sold by the linear yard, 36" x 54" x 0.031" thick (914 x 1372 x 0.75 mm)

### **CPSP117A - WHITE RUBBER PICK-UP SHEETING**

Thin, soft fabric, used as a force overlay. Its tacky rubber coating helps lift stock out of the die after an impression has been made. Generally used when running business cards by hand - the cards lift up with the ram making it easier to pick them off, rather than off of the feedboard. It is sold by the linear yard, 36" x 36" (914 x 914 mm)

**CPSP118A - CLEAR THICK PLASTIC SHEETING – 36" x 54" x 0.012" thick (914 x 1372 x 0.3 mm)**

**CPSP119A - CLEAR THIN PLASTIC SHEETING – 36" x 54" x 0.006" thick (914 x 1372 x 0.15 mm)**

**CPSP120A - FROSTED PLASTIC SHEETING - 36" x 54" x 0.012" thick (914 x 1372 x 0.3 mm)**

Force overlays that are thinner and more pliable than Moleskin. Protects the forceboard if a missed impression occurs, prevents ink from squirting out from between the force and die, and penetrates into images to remove all the ink. We offer three types, two are clear and one is frosted. They are all sold by the linear yard.

### **CPSP123A - TEFLON COATED DRAWSHEET**

Generally used as a force overlay. Ideal when running large dies that cause the stock to stick to the force. Helps release the stock from the force when running metallic inks where the ink's binder is pushed through the paper. It is sold by the linear yard, 36" x 37½" (914 x 952 mm)

## PRESS ACCESSORIES

### **CPSP125 - PRESS BLANKET**

Acts as a cushion between the wiping pad and the die. It is clamped tightly on the wiping pad, covering the cork pad. Made of a tightly woven, springy, heavy pure wool material which unlike felt is resilient enough to permit repetitive die width changes without grooving. **Note:** Since it has a grain, mount the Press Blanket on the wipe pad in the direction of least stretch. It is sold by the linear yard, 36" x 36" x 1/8" thick (914 x 914 x 3.3 mm)

### **CPSP139 - BRASS BRISTLE BRUSHES**

Used to scrub dried ink from fine lines of a die or plate. The fine brass bristles will not scratch copper plates but are stiff enough to remove the dried ink.

### **CPSP131 - THICK BURNISHING TINSEL 0.002" x 1 metre**

### **CPSP131ROLL - THICK BURNISHING TINSEL 0.002" x 21 metres**

### **CPSP131B - THIN BURNISHING TINSEL 0.0014" x 1 metre**

### **CPSP131BROLL - THIN BURNISHING TINSEL 0.0014" x 30 metres**

After an impression has been die stamped in metallic ink, Burnishing Tinsel may be used, on the second pass to enhance the detail in the die's bottom. Burnishing the impression gives good detail and prevents tarnishing of some inks. There are two thickness' available and both are sold by the linear metre and are 152mm wide.

### **CSPH151A - STOCKINETTE, PLAIN 2¼" Diameter (most Modern, Carver & Cronite)**

### **CSPH154A - STOCKINETTE, MOLETON 2" to 2 1/8" Diameter (Waite & Saville)**

### **CSPH156A - STOCKINETTE, PLAIN 3" Diameter (big Moderns & big Carvers)**

Knitted cotton tubing which permits more ink to be carried when placed over the rubber inking roller. Also forces ink to the bottom of the etched cavity. If the etched lines are extremely deep, two or three layers may be used. Two types are available: **Plain Stockinette**, which will carry a little less ink to the die than **Moleton Stockinette** which is a fleeced Plain Stockinette, but with a "nap" or "fuzz". Both are Packaged in rolls of 25 yards.

## ADHESIVES AND TAPES

### **CSPH18 - PROUT'S GLUE**

Adhere layers of forceboard together and to the counterblock slide. Dry adhesive is applied like a big crayon and creates its best bond after pressure has been applied. It can be pulled apart or separated when heat is applied, which is handy for "patching" an impression or for removal from the slide. Most of the strength of a counter made with Prout's Glue is horizontal to the press's force. The force will not slip sideways. No "drying" time is required and a force can be cut immediately after being glued. It is Packaged in ½ lb foil wrapped sticks

### **TES52310PV3 - TESAPRINT 10 TAPE, 0.004" (0.12MM)**

### **TES52315PV3 - TESAPRINT 15 TAPE, 0.006" (0.15 MM)**

### **TES52320PV3 - TESAPRINT 20 TAPE, 0.008" (0.20 MM)**

Double Sided (Tesaprint) Tape is available in three thickness'. Perfect to securely attach thin metal plates to a plateholder, it can also be used to attach force board or photopolymer counters onto counterblock slides. All three thickness' are sold on a 10 metre x 310 mm roll.

## DIE WIPE PAPER

CDW350 - CRONITE DIE WIPE 3½"

CDW450 - CRONITE DIE WIPE 4½"

CDW600 - CRONITE DIE WIPE 6"

CDW850 - CRONITE DIE WIPE 8½"

Supplied in a standard weight of 35lbs and is available in 4 widths. This product is sold by the kilo.

## WATER SOLUBLE INKS

Now accepted as the industry standard, Cronite Krome-Brite water soluble inks are the finest money can buy and available in the widest range of colours.

## COLOURED INKS

KB100	CLEAN CHRISTMAS RED
KB120	CLEAN POINSETTIA RED
KB150	CLEAN FIRE RED
KB180	CLEAN RHODAMINE RED
KB210	CLEAN ULTRA NAVY BLUE
KB230	CLEAN ULTRA ROYAL BLUE
KB244	CLEAN TRUE BLUE
KB255	CLEAN PROCESS BLUE
KB288	CLEAN PEACOCK BLUE
KB300	CLEAN CHRISTMAS GREEN
KB304	CLEAN GRASS GREEN
KB410	CLEAN ULTRA WHITE
KB600	CLEAN QUAKER GREY
KB700	CLEAN BROWN
KB800	CLEAN PURPLE
KB900	CLEAN TROPICAL YELLOW
KB950	CLEAN ORANGE
KB1999	CLEAN DRUPA MAROON (BURGUNDY)

**KB STANDARD INKS** (Krome-Brite) are water soluble. Once the ink has dried, it becomes waterproof. Fast-drying KB Inks actually shrink as they dry, producing very sharp, clean impressions. When fully cured, they are rub-resistant and produce "non-chip" impressions that cannot be removed from the paper without tearing the substrate itself.

All KB Colours and Blacks are compatible with laser printers. The heat produced by today's laser printers has no effect on them, unlike varnish inks and traditional thermography.

More than 18 stock Colours plus Blacks are available, as well as any special matched colours. Ask for our Colour chart. Packaged in 7 lb. containers; 28 lbs. per carton.

## SPECIAL BLACK INKS

### **KB001 - JOB BLACK**

One of our most popular inks because of its low cost and quality performance in many applications. It is a no-rub black when run thick. An excellent mixing black with our Colours, and a "**LASER PROOF**" black because of high heat tolerance. Many die-stampers have tried this ink because of its price and have found it to be their "work horse". Run a generally thin consistency, but thicker if no-rub is an important factor.

### **KB3001 - NO RUB BLACK**

This is similar to Job Black but with increased rub-resistance.

### **KB711 - SUPER BOND BLACK**

Considered by most people in the industry to be the "sharpest" stamping ink because it greatly reduces feathering, spitting, and leaching. Needed on papers of high cotton content and much sizing. Without question, it will give the finest and cleanest impression because once stamped, it shrinks back on itself so that it does not run down the fibers of the paper. More pressure is usually needed to keep the ink from caking in the die because it dries very quickly. The ink has a slight sheen approaching a semi-gloss. Run the ink a little thinner than general consistency for finest results. Run it a little thicker for much better no rub characteristics.

### **KB3711 - LANTIS BLACK**

This is similar to Super Bond Black but with increased rub-resistance.

### **KB999 - ANTI-ABRASIVE BLACK**

Formulated for use with copper and zinc plates that do not have chrome plated surfaces. With care, it will generally permit zinc plates to last 8 to 10,000 impressions and copper plates 15 to 20,000 impressions. It costs slightly more than inks that give similar quality, but it saves money by eliminating chroming or multiple platemaking for longer press runs. Run a generally thin consistency in the fountain.

### **KB888 - BEST BLACK**

Designed to eliminate broken die stamped lines due to the lack of available press pressure and/or problem dies that may be shallow. This ink is "vehicle rich" (tackier) and is recommended for use when other inks are "drying or caking in the die" or when an operator consistently has "breaking" problems. Best Black is the easiest-running ink for the press operator and this is how it got its name. Wipe-O-Matic users should consider this ink for best results since the ink returning to the fountain loses some of its vehicle through evaporation. Run a generally thin consistency.

### **KB522 - PICTURE BLACK**

A strongly pigmented black ink for halftones and fine lines where other standard jobbing black inks are sufficiently strong. Used mainly for diploma and certificate work or as an occasional additive for other blacks to give more colour strength. It should not be used as a mixing black with colours as it contains a very large percentage of blue. Packaged in a 6½ lb tin.

### **KBG500 - GLOSS BLACK**

Produces an impression which looks like a varnish ink, but dries quickly and does not chip, or rub. Easier to work with than varnish inks but at this time, more complicated than our other water soluble inks. Adding water tends to dull the gloss, so we recommend using our **Gloss Thinner**. Furthermore, the occasional addition of **Gloss Anti-Foam** must be used even though the fountain is not frothing. Just as with shaving cream, the very small bubbles absorb the reflected light and a gloss cannot be seen if anti-foam is not used.

Alcohol will also thin this ink which should be run thin to keep from feathering. Once the proportion of thinner to ink is determined, running Gloss Black like other gloss colours is easy. *This ink is not as laser-proof as our regular KB Inks.*

## **CDS INKS (Cronite Data System)**

<b>KB091</b>	<b>EXTENDER</b>
<b>KB111</b>	<b>PURE RUBINE RED</b>
<b>KB161</b>	<b>PURE RED-Y</b>
<b>KB191</b>	<b>PURE RHODAMINE RED</b>
<b>KB221</b>	<b>PURE MARINE BLUE</b>

<b>KB241</b>	<b>PURE REFLEX BLUE</b>
<b>KB251</b>	<b>PURE CYAN BLUE</b>
<b>KB351</b>	<b>PURE CYAN GREEN</b>
<b>KB451</b>	<b>PURE WHITE</b>
<b>KB551</b>	<b>PURE BLACK</b>
<b>KB821</b>	<b>PURE PURPLE</b>
<b>KB921</b>	<b>PURE YELLOW</b>
<b>KB951</b>	<b>PURE ORANGE</b>

The above inks are new Cronite **PURE** Colours, which may be bought for use by themselves, or formulated to any colour, in any matching system. You can match colours very simply and quickly. Note that the Pure Black is not as “Black” as our others, nor is Pure White as “White” as our others since the blue pigmentation, normally part of Black and White formulations has been left out. Extender KB-091 may be required to produce a pale ink shade.

#### **CPSP1111A - CDS FORMULA BOOK**

This is the book that contains all the known recipes for simulating Pantone and any other colour match. Information from all users is pooled and compiled by Cronite. Any new formulae or changes to existing formulae are included in the free update service from Cronite every 3 months.

#### **KBCDSLEV1 - STARTER KIT**

This is the basic starter kit for those die-stampers wishing to expand their in house mixing capabilities. It comprises a quantity of each base colour in the ratios in which they are normally used. A formula book detailing Pantone and other simulations is also supplied together with a free update service from Cronite every 3 months. Information from all users is pooled and compiled by Cronite. When a complete starter kit is purchased a 15% discount is applied and the formula book comes free of charge.

**Note:** The **CDS System** offers you the opportunity of formulating any colour of the Pantone Matching System, or in any colour matching system.

#### **CLM21 - PANTONE COLOUR GUIDE**

Standard Colour guide showing all Pantone Colours and formulations to mix litho ink to that colour. For information on how to achieve that colour from diestamping ink, refer to the CDS Formula book.

#### **CLM23 - PANTONE METALLIC COLOUR GUIDE**

As above, but depicts the metallic colours.

#### **CPSP162A - INK MIXING BLADE**

This is a simple mixing impeller designed to fit a standard drill chuck that dramatically decreases the time taken to mix water-soluble inks. Mix ink in the tin to simulate Pantone Colours and reduce wastage.

#### **CPSP1111B - DIGITAL INK MIXING SCALES**

Capable of weighing the individual components of an ink recipe to the accuracy required. It weighs up to 6 kilos with increments of 2 grams. It has a stainless steel removable platform for easy cleaning and a large digital LCD display.

#### **CLT168 - 1 LB PLASTIC RE-SEALABLE TUB.**

#### **CLT177 - 2 LB METAL SLIP LID TIN.**

#### **CLT122 - 7 LB METAL SLIP LID TIN.**

#### **CLT902 - 14 LB PLASTIC RE-SEALABLE TUB.**

#### **CLT903 - 28 LB PLASTIC RE-SEALABLE TUB.**

All the containers we currently use for finished ink mixes are available to buy for use with CDS Kits.

## **SPECIAL MATCHED COLOURS**

### **KBMIX - KB INK MIX.**

In addition to offering high quality stock-line water-soluble inks, Caslon Limited will match colours. We can match to your sample or a colour from any matching system. Special colours are made with the CDS system. As with all our regular water soluble inks, special matched water-soluble colours are fast drying and laser printer-safe. Supplied in 7lb metal tins, 14lb or 28lbs re-sealable plastic pails. Caslon Limited offers a 24 hour service on all standard colour matches.

## **METALLIC INKS**

### **KBM6700 - ULTRA FINE GOLD INK**

### **KBM6710 - ULTRA FINE BRIGHT GOLD INK**

### **KBM6720 - ULTRA FINE ROYAL GOLD INK \***

### **KBM3467 - ULTRA GOLD INK**

### **KBM4610 - ULTRA BRIGHT GOLD INK**

### **KBM4620 - ULTRA ROYAL GOLD INK**

### **KBM3400 - ULTRA BOLD GOLD INK \***

### **KBM3410 - ULTRA BOLD BRIGHT GOLD INK \***

### **KBM3420 - ULTRA BOLD ROYAL GOLD INK \***

Cronite Gold Inks are available premixed, ready to use. The premixed Metallic Inks are made to avoid the difficulty in not only obtaining the proper ratios, but also to avoid the dirtiness of the airborne powders. There are 3 shades, Gold, Bright Gold and Royal Gold. Each shade has 3 powder particle size options. They are all supplied in 5lb fibre tins. Ask for a colour chart.

**\* = Special Order – 2 weeks delivery**

### **KBM6760 - ULTRA FINE COPPER INK**

Similar to the Gold inks, Cronite Copper Ink is available premixed, ready to use. It is only available in one shade and one powder particle size option. Supplied in a 5lb fibre tin. Ask for a colour chart.

### **KBM212 - STERLING SILVER INK**

Similar to the other metallic inks, Sterling Silver is normally supplied premixed, ready to use, although some people prefer to buy it in component form. If not specified, it will be mixed and supplied in a 6lb metal tin. It is only available in one shade and one powder particle size option. Ask for a colour chart.

### **KP13400C - ULTRA BOLD GOLD POWDER**

### **KP13410C - ULTRA BOLD BRIGHT GOLD POWDER**

### **KP13420C - ULTRA BOLD ROYAL GOLD POWDER \***

### **KP16700C - ULTRA FINE GOLD POWDER**

### **KP16710C - ULTRA FINE BRIGHT GOLD POWDER \***

### **KP16720C - ULTRA FINE ROYAL GOLD POWDER \***

Cronite metallic powders are made from bronze and used to mix with KT Solution, KB Non-Tarnish Solution or Gold Varnish #11. Metallic Inks may be burnished to brilliantly enhance the appearance of the impression. Fine powders are better to use when the work is to be burnished. Supplied in a 5lb tin.

**\* = Special Order – 2 weeks delivery**

## **ADDITIVES FOR WATER- SOLUBLE KB INKS**

### **KB1A - ANTI-SPIT**

Used to overcome spitty or feathery impressions. Add as much as necessary until the impression starts to get broken lines. Can be used as an inexpensive ink extender because it gives the ink more body, but this obviously reduces the pigment strength. Packaged in a 7lb tin.

### **KB4A - KROME-TITE SOLUTION**

KT Solution is a water-soluble vehicle used for making Metallic Inks. Can also be used with Black Inks to increase the amount of tack, as well as making Non-Tarnish Gold Ink more flexible for better detail when burnishing. Packaged in an 8lb tin.

### **KB15A - KB NON-TARNISH SOLUTION**

Water-soluble vehicle for mixing Metallic Inks. Dries very hard and prevents tarnishing of the impression over time (impressions will remain brilliant). Packaged in an 8lb tin.

### **KB6A - KB ANTI-CAKE**

Helps prevent ink from caking in the die. Mainly for use with coloured inks. A small quantity makes the ink much tackier. Packaged in a 8lb tin.

### **KB7A - KBG GLOSS ANTI-FOAM**

Used with gloss inks to break up the microscopic bubbles which refract instead of reflect light, preventing a glossy impression. Packaged in a 2lb bottles.

### **KB8A - KBG GLOSS INK THINNER**

Used as a thinner for KB Gloss Inks. It must be used to obtain a gloss finish and will work only with KB Gloss Inks (water will thin the ink but make it matt). Packaged in a 1lb bottles.

### **KB9A - KB RETARDER**

Slows down the drying of KB Clean Inks. Similar to Glycerine, but less sensitive when too much is added in error. Packaged in a 1lb bottle.

### **KB20A - RAW INK VEHICLE**

For Clean Inks and Job Black; sometimes added when a little more tack is desired to stamp finer lines. Packaged in an 8lb tin.

### **KB10A - KB SHARPENER**

Prevents feathering and keeps the stamped inks from running down the paper fibers. This is a very helpful product that should be used more often. Every shop should have some on hand. Packaged in an 8lb tin.

### **KB21A - BLACK PIGMENT**

May be added to non-black inks to turn them black. Often blended into a mixture of old unusable colours so that the ink may be used rather than discarded. **Special Order - Delivery time 2 weeks.** Packaged in 1lb tins.

### **KB27A - KB CLEAN DEFOAMER**

Prevents the formation of foam or breaks down foam from ink that is being agitated by a fast turning fountain. Packaged in a 2lb bottle.

### **KB28A - ULTRA METALLIC SOLUTION**

This is the major ingredient of Cronite premixed metallic inks used today. **Special Order - Delivery time 2 weeks.** Packaged in an 8lb tin.

**KB29A - METALLIC BURNISHING ADDITIVE**

This additive is put into metallic inks so that a physically softer ink deposit results so that it can be more easily burnished or struck a second time for detail. Packaged in an 8lb tin.

**KB89A - KT ANTI-RUB AGENT**

An additive for increasing rub-resistance. Use in all of Cronite's Black Inks, except KB001 Job Black and KB3001 No-Rub Black. Packaged in a 4.5lb tin.

**KB90A - NT ANTI-SCUFF**

An additive for increasing rub-resistance. Use in KB001 Job Black, KB3001, No-Rub Black and all KB Coloured Inks. Packaged in a 4.5lb tin.

**VARNISH INKS**

**KBV INKS** are a range of traditional glossy varnish inks for those odd, special jobs, which may not lend themselves to the more widely used water soluble inks. Impressions made with Varnish Inks can be very glossy. Varnish Inks are not laser proof since they melt at low temperatures. Also, they will become brittle and may chip away.

28 stock colours are available, as seen in the colour chart booklet. They are packaged in 6½ lb. cans with 26 lbs. per carton.

KBV100	CRIMSON RED *	KBV326	FIELD GREEN
KBV105	POINSETTIA RED	KBV365	GRASS GREEN
KBV110	CHRISTMAS RED	KBV448	OPAQUE WHITE
KBV112	GARNET RED	KBV502	GLOSS BLACK
KBV133	MAGENTA RED	KBV555	DULL BLACK
KBV155	FIRE RED	KBV601	QUAKER GREY
KBV200	NAVY BLUE	KBV603	FRENCH GREY
KBV201	FRENCH BLUE *	KBV625	BATTLESHIP GREY *
KBV202	ROYAL BLUE	KBV702	MEDIUM BROWN
KBV203	MILORI BLUE	KBV727	KRAFT BROWN
KBV205	BABY BLUE	KBV741	DARK BROWN
KBV227	COLONIAL BLUE	KBV802	ROYAL PURPLE *
KBV241	PEACOCK BLUE	KBV901	LEMON YELLOW
KBV302	CHRISTMAS GREEN	KBV902	CHROME ORANGE
KBV303	DEEP SEA GREEN	KBV903	CHROME YELLOW
KBV304	EMERALD GREEN	KBV904	PRIMROSE YELLOW *
KBV305	OLIVE GREEN *	KBVC539	REFLEX BLUE

\* = Special Order – 2 weeks delivery

## PLATE INKS

These very slow drying oil inks are mainly used by artists for hand plate printing. They have much more colour strength than regular varnish inks, but must be rack dried. Ideally used where detail and fine lines are desired. Oil-based inks may be used in hand stamping and create a better impression than regular dull varnish inks. May be treated like a dull stamping ink and can be reduced with turpentine solvent or Dull Reducer. Packaged in 1lb. cans. **Special Order Only - delivery time 4 weeks.**

KBP105	POINSETTIA RED	KBP516	BLACK
KBP110	CHRISTMAS RED	KBP518	BLACK
KBP112	GARNET RED	KBP526	BLACK
KBP155	FIRE RED	KBP702	MEDIUM BROWN
KBP200	NAVY BLUE	KBP727	KRAFT BROWN
KBP201	FRENCH BLUE	KBP754	SEPIA
KBP202	ROYAL BLUE	KBP802	ROYAL PURPLE
KBP203	MILORI BLUE	KBP901	LEMON YELLOW
KBP241	PEACOCK BLUE	KBP902	CHROME ORANGE
KBP302	CHRISTMAS GREEN	KBP903	CHROME YELLOW
KBP304	EMERALD GREEN	KBP904	PRIMROSE YELLOW
KBP365	GRASS GREEN	KBP776	BURNT UMBER
KBP367	VERMILLION	KBP777	SPECIAL BURNT UMBER
KBP368	COBALT BLUE	KBP199	BURNT SIENNA
KBP415	MIXING WHITE		

## ADDITIVES FOR VARNISH AND PLATE INKS

### **KB3A - JAPAN DRIER**

Added to solvent-based inks to obtain a tougher finished impression. Will not normally decrease drying time at the instant of impression, but oxidizes the ink more quickly to its natural hardness. Packaged in 8lb tins.

### **KB12A - NON-CHIP VARNISH**

Added to varnish inks to produce a smooth, glossy surface. The work must then be rack dried since the varnish contains leveling oils. Packaged in 8lb tins.

### **KB13A - GOLD VARNISH #11**

A varnish vehicle used for making Metallic Inks. Add Bronzing powder to achieve a finished ink. It requires that the work be rack dried. Packaged in 8lb tins.

### **KB14A - GLOSS VARNISH**

A basic vehicle for varnish inks. Packaged in 8lb tins.

### **KB15A - REDUCING VARNISH**

Used to thin varnish inks without lowering the tackiness qualities. Packaged in 8lb tins.

### **KB18A - BURNT PLATE OIL**

Used to adjust the body of plate inks. Packaged in 8lb tins.

## **CLEANING SOLUTIONS**

### **KBC76Q - BLAST-OFF CLEANER**

Newly formulated, very aggressive cleaner which will dissolve dried and hardened ink previously "impossible" to remove and other dirt from dies, fountains, presses, and floors.

It **must** be thinned with at least 3 parts of water to be used at its greatest strength. It may be reduced with 19 parts of water to be as good as an average floor cleaner. Environmentally clean, biodegradable and very strong. Should be mixed and may be transferred to a spray bottle. Exceptional value, Packaged in US Quarts (0.948 Ltres)

## **ENGRAVING SUPPLIES**

### **EP187 - DIAL DEPTH INDICATOR**

An instrument used to determine the exact depth of an etched or engraved area. Adjustable dial for easy calibration. Easy-to-read 2" diameter dial has .0005" calibrations, with enough space between each calibration so the user can further interpolate his reading. Chrome plated body. Comes with a spare point and precision ground steel block used to zero the gauge accurately. This is an inexpensive mechanical instrument that can only be replaced by an electronic microscope costing thousands of pounds.

## **ACID RESISTS & ACIDS**

### **EP11A - JANES' GROUND**

A Fast-drying, dark liquid acid resist for all metals. When applied properly, one can easily see through it to the metal surface. It can be used in an etching machine because the surface is tough and will not rub off or chip. Usually poured on to the metal directly from the can. Then the metal is tipped in all directions until the area to be etched is fully covered. Excess ground may be poured back into the can from the corner of the metal plate. If necessary, thin with Ether. May be removed with Wood Alcohol. Flammable liquid. Packaged in a 15 oz. can.

### **EH122A - BOB'S CHIP OUT GROUND**

#### **EH123A - BOB'S CHIP OUT GROUND THINNER**

An acid resist that will dry hard and fast, and easily "chip off". When applied properly it will not foulbite. Good for all metals. Can be used in hand etching with an acid brush or in an etching machine. Flammable Liquid. Packaged in an 8 oz. can.

### **EP122B - FREELANCE CHIP OUT GROUND**

#### **EP123B - FREELANCE CHIP OUT GROUND THINNER**

A premium acid resist that will dry hard quickly and "chip off" cleanly and sharply. When properly applied it will not permit foulbiting. Good for all metals. Can be used in hand etching with an acid brush, or in an etching machine. Flammable Liquid. Packaged in an 8 oz. can.

### **EH112A - STOPPING OUT WAX**

This red liquid is used to make any necessary corrections to the traced or scratched image on the ground covered die prior to etching. Should be applied with a good red sable Stop Out Brush. Thin with a small amount of quality alcohol. After etching, the Stop Out Wax can be removed with alcohol, along with the mechanical acid resist. Flammable Liquid. Packaged in a 4 oz. bottle.

### **EP117 - RED STICK SEALING WAX**

A pure (no fillers) material used by engravers to make Stop Out Wax. To prepare the wax, dissolve a broken stick or two in denatured wood alcohol. Apply the slow-drying solution with a Stop Out Brush to areas not requiring etching. Sticks are approximately ½" X ½" X 9" long. Sold by the 1 lb. box of 10 sticks.

#### **EH112E - PHOTO TOUCH-UP LACQUER**

Used for the same purposes as Stop Out Wax but has a turpentine solvent instead of an alcohol solvent. This usually makes it favoured for removal when used with a photosensitive resist incompatible with alcohol solvents. Has a consistency much thinner than Stop Out Wax, and may be used for very intricate work. Thin with turpentine. Quick drying and easily removed with varsol. Packaged in a 1 US Pint can.

#### **EP113A - STOP OUT BRUSH #00**

#### **EP114A - STOP OUT BRUSH # 0**

#### **EP115A - STOP OUT BRUSH # 1**

#### **EP116A - STOP OUT BRUSH # 2**

Top quality, 100% red sable hair. Used to apply Stop Out Wax or Touch-Up Lacquer. Stocked in 4 sizes (00, 0, 1, 2), which will accommodate your every need. Number 00 is for fine work; Number 2 can easily cover a large area. Keep one of each size on hand.

#### **EH12A - NEW IMPROVED STEEL ACID, 1 US GALLON.**

#### **EH12C - NEW IMPROVED STEEL ACID, 12 OZ. BOTTLE.**

A light blue corrosive liquid with a nitric acid base that effectively etches steel and brass. Specifically formulated for hand etching with an acid brush. This is the best steel acid in the world, used in many other industries from gun and knife engraving to chemical milling of large dies and moulds. Contains heavy metals such as silver and mercury, requiring proper disposal even when the acid is "spent". The acid works so well because as it etches down the sides of the cavity, the walls are electroplated by the heavy metals attracted to the steel. Keep the acid out of direct sunlight if stored for long periods.

#### **JP1133 - FERRIC CHLORIDE 30° BAUMÉ, 55 US GALLON DRUM**

#### **JP1133B - FERRIC CHLORIDE 30° BAUMÉ, 25 LITRES**

A dark, caramel Coloured acid used for etching metals. Recommended for use in etching machinery of all types, but can be brushed on by hand with an acid brush. The acid will stain skin a brownish-yellow Colour, but it does not seem to affect it in any other way with incidental contact.

Ferric Chloride is the by-product of hydrochloric acid pickling of iron usually being descaled in a steel mill. It is usually important that there are no silicone additives used as anti-foams in the acid. It is possible to reclaim Ferric Chloride, but for the engraver, we recommend only virgin engraver's grade acid. 30° Baumé Ferric Chloride effectively etches brass, zinc or copper. Predominantly used for etching copper when using the powderless etching or self-banking method. 42° Baumé Ferric Chloride is used for etching steel.

#### **EH14 - SPECIAL NO. 2 COPPER ACID**

Especially formulated for the engraving industry, this corrosive liquid is dark brown in Colour due to its main ingredient of Ferric Chloride. Very effective for hand etching copper plates, and is usually applied with an acid brush. Acts faster and gives a sharper etch than straight Ferric Chloride. Especially valuable for etching shaded areas. Packaged in a 1 Pint bottle.

#### **EP125A - HYDROMETER**

This corrosion-proof instrument has a scale reading from 0° Baumé to 50° Baumé. It is perfect for reading and adjusting Ferric Chloride at 30° Baumé for etching copper using the PERI-Etching method, or at 42° Baumé for etching steel.

#### **EP116 – STOPPING OUT BRUSH NO 2**

Imported Chinese writing brush. The bristles are natural hairs held in place with water-resistant glue. The handle is bamboo or plastic with no metal to rust or corrode. This brush can be used with any acid. The brush is usually stored in water between etching sessions.

## **IMAGE TRANSFER PRODUCTS AND DEVELOPERS**

### **EH124N - SAFECOAT DEVELOPER**

Safecoat Developer is used to develop Cronite Safecoat Presensitized Steel. Can be Tray or Dip-Tank developed. Flammable liquid. Packaged in 1 litre containers.

## **PERI-ETCH PHOTO ENGRAVING ADDITIVES AND SUPPLIES**

### **PRO10728 - PROTECTONE 13A**

### **PRO10828 - PROTECTONE 13B**

Protectone 13A and 13B are protective chemicals used in Ferric Chloride for the PERI-Etch system of etching copper. The process controls the depth and sidewall etch factor. This limits spreading of images on copper plates.

Protectone 13A is a mixture of film formers plus a material, which modifies the protective effects to give the required depth in line figures and coarse halftones. When in solution, the film-forming additives decompose with time and with use. The modifiers do not decompose. Protectone 13B is used to replenish the film-forming material and is used in much larger quantities. Each is sold by the 5 lb. case of four 1¼lb. jars.

### **PRO10914 - PROTECTONE 76**

### **PRO11027 - PROTECTONE 77**

### **PRO1035001 - PROTECTONE ANTI-FOAM**

Deep etch and halftone baths require these additives for enhancing sidewall protection, increasing etch rate and prolonging bath life.

### **EP1120B - FILTER MEDIA**

A flexible sheet of fiber cloth used for filtering out excess Protectone which may not have completely dissolved in the Ferric Chloride mixture during the initial bath adjustment. Reusable when rinsed, it has a long life. This prevents undissolved Protectone from entering the bath. Without this filter, you will almost always have undissolved Protectone lurking in your bath for future problems. Each sheet measures 9" x 10" and is usually placed over a big funnel or colander to hold it while transferring the acid into the etching machine.

### **EP1208B - SPECTRONIC "20" METER WITH KIT, 220V, 50 HZ, EUROPE**

Measures the amount of copper content in the Ferric Chloride bath. All PERI-Etch users should have one. This instrument will save valuable time by eliminating the need to record and analyse the weight of each copper plate entering and exiting the bath.

### **EP2214 - ELECTRIC ACID BLENDER**

This is a blender modified to have titanium blades, arbor, and hardware. Bearings are of a special space-age material for acid resistance and heat resistance generated in this high-speed operation. The high speed agitation will completely dissolve Protectone in seconds and eliminate any hand mixing.

### **EP1211A - PERI TEST TARGET, POSITIVE, USE WITH POSITIVE RESIST**

### **EP1211B - PERI TEST TARGET, NEGATIVE, USE WITH NEGATIVE RESIST**

PERI Test Targets must be used to determine the condition of the bath containing Protectone. It will aid you in determining the amount of replenishment of the additives, as well as determining if other conditions are correct. Using the universally accepted target established a standard.

## CONTA COPPER SUPPLIES AND ACCESSORIES

### **EP124F - HYDROLIN COPPER DEVELOPER, 5 US GALLONS**

A water-based developer to be used with Conta Copper. Contains no solvents and has no odors, but it is corrosive. Poured into a tray for easy use, it should not be reused, as its characteristics change as it weakens.

### **EH1209C – PHOTO RESIST STRIPPER NO 1 (CPRS1)**

A non-etching resist remover for photo acid resists. Loosens coating fast without being abrasive and no difficult rubbing is required. For use on Conta Copper. Flammable liquid. Packaged in 1 US Gallon containers.

### **EH1209E - PHOTO RESIST STRIPPER NO 2 (CPRS2)**

A non-etching resist remover for photo acid resists. Loosens coating fast without being abrasive and no difficult rubbing is required. For use on Safecoat Steel and water wash out copper products Flammable liquid. Packaged in 1 US Gallon containers.

### **EP1210A - DEVELOPER PAD HOLDER WITH PAD**

#### **EP1210B - DEVELOPING PAD**

Used to develop plates that require mild abrasion. Extra pads available.

### **EP112F - RETOUCHING VARNISH**

A corrosive acid resist which flows smoothly, dries fast, and requires no burning in. Compatible with most coatings. Flammable liquid. Packaged in 5 litre containers.

### **EP1212R - RETOUCH VARNISH REMOVER**

Used to remove Retouching Varnish without damaging the original Conta resist. Flammable liquid. Packaged in 1 US gallon containers.

### **EP1212T - RETOUCH VARNISH THINNERS.**

Use when Retouching Varnish thickens in the can. Flammable liquid. Packaged in 5 pint containers.

## HAND ENGRAVING TOOLS

- EP1131A - GRAVER, FLAT (NO. 36-49)**
- GRAVER, ROUND (NO.50-63)**
- GRAVER, KNIFE (NO. 1-3)**
- GRAVER, SQUARE (NO. 0-8)**
- GRAVER, LOZENGE (NO. 0-8)**
- GRAVER, TAPER SQUARE (NO. 1-3)**
- GRAVER, TAPER LOZENGE (NO. 1-3)**
- GRAVER, MULLER LINE (NO. 12,4-LINE)**
- GRAVER, MULLER LINE (NO. 12,6-LINE)**

Gravers - The tools used to hand cut or engrave images. Muller Gravers are available in a wide variety of shapes and sizes. Having to reshape a graver point more than slightly suggests that you do not have enough of the proper gravers. For background work or for shading in areas, special line gravers are available. They allow the engraver to cut several uniform lines at a time and can be used for a variety of purposes. Many sizes of these are available on a special order. The gravers we supply are made of tool steel. High Speed steel gravers which are much tougher are available quickly on an as required basis. Please ask us for High Speed steel when you want the best. For more information, reference "**The Engraved Stationery Handbook**". Gravers commonly employed for producing stationery dies are shown in actual sizes. Each graver is Packaged individually.

**EP169A - REGULAR GRAVER HANDLE**

Inexpensive maple wood handle has a metal collar for durability. A flat is cut on one side to prevent the graver from rolling away, as well as to permit getting closer to the work. You must drill a small hole in the handle to insert your graver at your desired angle.

**EP170 - SPECIAL PATENTED GRAVER HANDLE****EP185 - REPLACEMENT FERRULE FOR HANDLE**

The Special Patented Graver Handle can be adjusted to keep the same distance from the tip of the graver to the palm of the hand as the graver is sharpened and becomes shorter. The soft tang of the graver must be bent over slightly to engage the built-in ratchet.

**EP180 - CROCKER GRAVER SHARPENER**

Crocker Graver Sharpener - Small chrome plated metal graver-holding fixture used to sharpen gravers quickly and accurately. Three adjustable settings let you sharpen any graver to any desired angle. Use with a sharpening stone, sold separately. A properly sharpened graver is essential to produce a good engraving. The sharpener is sturdy and will last a lifetime. Directions included.

**EP171 - DOUBLE-ENDED SCRIBER**

Hardened tool steel with a precision ground point on both ends. Used for scratching metal or through an acid resist.

**EP174 - RETRACTABLE DIAMOND POINT**

The easiest way to finely scratch through acid resist when lines to be etched must be marked in by hand. The diamond point also works well for tracing picture work on gelatin or for dry point or scribing work. Retractable Diamond Point is at 60° angle, set in a chrome-plated pen-like holder with a pocket clip. Retraction protects the fine point if the tool is dropped.

**EP183A - ROULETTE, CURVED SHANK, 45 DOTS/IN****EP183B - ROULETTE, CURVED SHANK, 65 DOTS/IN**

Used for making regularly spaced dots on a plate for use under an acid resist for fine spacing on a pantograph. May also be used to touch up worn or damaged portions of a reverse halftone engraving or similar photoengraved plates. Small hardened steel star wheel is attached to a pencil-type handle which allows it to rotate freely. (Handle removable so the shank can be inserted in place of the diamond point in a Pantograph Machine to establish spacing marks.) The size, as well as the space between the dots, is dependent on the wheel. When ordering, please specify the dots/in or submit a specimen of the dot pattern desired. Sold separately.

**EP172A - STRAIGHT BURNISHER****EP172B - CURVED BURNISHER**

Used to smoothly polish a particular metal surface area. Scratches, streaks, or errors on a die can be removed by burnishing. The tool is drawn back and forth across the surface with long, even strokes at right angles to the burnisher's length. A clean, thin oil will help to lubricate this action as the metal is smeared or pushed around by the tip. We offer straight and curved Burnishers. Every engraver should have both shapes, but the straight burnisher is normally preferred since it has two usable sides. Made of hardened and polished tool steel, they will last a lifetime with proper use.

**EP184 - SCRAPER**

Used for precisely scraping metal from surfaces. Hardened steel, triangular blade has three sharp edges coming together to form a point.

**EH175 - ENGRAVER'S T-SQUARE****EH176 - SWIVEL HEAD ENGRAVER'S T-SQUARE**

Engraver's T-Square - For laying out work on dies or plates. We manufacture fixed head and swivel head models. Both have low profiles to clear a 1/2" die height, but the swivel head model has a low enough

profile on the swivel side to be able to clear a 1/16" thick plate. With the Swivel Head T-Square, a layout can be made at any angle. Each model has a brass head and an 8" spring steel leg. A required tool for an engraver.

#### **EP181 - ENGRAVER'S LEATHER PAD**

Elevates the work above the table, allowing the hands to be lower than the work. Also permits easy rotation or angling of a plate while hand engraving. Thick, firm pad measures approximately 6" in diameter x 2" thick.

### **ENGRAVING MACHINE ACCESSORIES**

#### **EMH1XX - ENGRAVING MACHINE MASTERPLATES**

Most Masterplates have an alphabet pattern etched into them. The guide lines permit a pantograph machine's tracing point to make properly spaced words. Made of tool steel. 3-3/8" wide, 19" long, and .050" thick. Masterplates are chrome plated to add to their longevity and rust prevention. (Available unchromed by special request.) Over 330 letter styles are available. These can be seen in the Engraver's Letter Styles Booklet .

#### **ZP1E42A - ENGRAVING MACHINE DIAMOND POINT**

The 3/16" diameter by 2-7/8" long Engraving Machine Diamond Point scratches through acid resist which has been applied to a die prior to etching the image. The Diamond Points are ground to a perfect conical point at a 60°included angle. Care must be taken not to lower the point onto the die too rapidly, or the Diamond Point may fracture. Packaged individually.

#### **ZP1E92 - TRACING POINT**

For use in an engraving machine, the tracing point is attached in the handpiece of the tracing arm. The operator places the Tracing Point in the groove of a Masterplate's character so that it may be traced accurately. The sharp tip is concentric to the outside of the point's body, so the character will not become distorted if the operator rotates the handpiece. Tracing Points are made of hardened tool steel and a good assortment of differently rounded tips are required to fit differently worn Masterplates. Packaged individually.

#### **EP127A - SPACING TAPE**

Durable, non-adhesive 1/2" wide paper tape, made specifically for use with all pantograph engraving machines. Used to mark off the space each character occupies, so that each letter in a word or phrase is accurately spaced on a plate to be etched. Packaged in individual rolls.

#### **MH112 - FANGMAN MONOGRAM MASTERPLATES (SET)**

**MH1XA - MONOGRAM "A" MASTERPLATE**

**MH1XB - MONOGRAM "B" MASTERPLATE**

**MH1XC - MONOGRAM "C" MASTERPLATE**

**MH1XD - MONOGRAM "D" MASTERPLATE**

**MH1XE - MONOGRAM "E" MASTERPLATE**

**MH1XF - MONOGRAM "F" MASTERPLATE**

**MH1XG - MONOGRAM "G" MASTERPLATE**

**MH1XH - MONOGRAM "H" MASTERPLATE**

**MH1XJ - MONOGRAM "J" MASTERPLATE**

**MH1XK - MONOGRAM "K" MASTERPLATE**

**MH1B9 - FRAME MASTERPLATE**

**MH1X1A - LAYOUT MASTERPLATE**

Cronite offers a variety of Monogram Masterplates for use on pantograph machines. One of the most popular styles is the Fangman, a 3-letter monogram set placed on 4 Masterplates. All other styles are arranged on single plates. Request a sample sheet showing the different styles available.

**EH190 - STEEL MASTERPLATE BLANK****EH191 - ZINC MASTERPLATE BLANK****EH192 - CELLULOID MASTERPLATE BLANK**

Masterplate Blanks - Thin plates made of either .050" thick steel, .064" thick zinc, or .032" thick celluloid, which measure approximately 3-3/8" X 18". The Blanks are used for making your own Masterplates, which can be used in a Zero Engraving Machine.

Steel Masterplate Blanks wear best for most purposes. Zinc is better in some cases because it is easy to hand cut and wears acceptably. Celluloid can be cut very easily and will withstand several dozen tracings if care is used. They are clear, with one side frosted and the other side smooth. Making a Celluloid Masterplate is quick and easy. The engraver traces a forward image on the frosted side with a lead pencil, then turns over the blank to hand engrave the image using the tracing from the other side as a guide. Each plate is Packaged individually.

## **ABRASIVE PAPERS AND CLOTHS**

**EP144 - FINE BLACK EMERY CLOTH (GRIT 150)****EP145 - MEDIUM BLACK EMERY CLOTH (GRIT 100)**

Emery is a natural composite of corundum and iron oxide. The particles are cubical and tend to produce a polishing action while material is being abraded. Although the Fine Emery Cloth has a grit value of 150, it cuts relatively quickly, while leaving a smooth polished surface. Grit values available are fine and medium in 9-1/2" x 11" sheets. Packaged in individual sheets.

**EP139 - BROWN BAUXITE EMERY CLOTH, GRIT 500****EP140 - BROWN BAUXITE EMERY CLOTH, GRIT 400****EP141 - BROWN BAUXITE EMERY CLOTH, GRIT 320****EP142 - BROWN BAUXITE EMERY CLOTH, GRIT 240****EP143 - BROWN BAUXITE EMERY CLOTH, GRIT 150**

Primarily for use on steel. Abrasive will last a long time since it does not clog quickly or wear away. Offered in grit values of 500, 400, 320, 240, and 150. Grit 320 polishes well without scratching too deeply, and at the same time does considerable cutting. Sheet size 9" x 11". Packaged individually.

**EP133 - EMERY PAPER, #0000****EP134 - EMERY PAPER, #000****EP135 - EMERY PAPER, #00****EP136 - EMERY PAPER, #0****EP137 - EMERY PAPER, #1**

These very fine papers are primarily used on copper. Grit values offered from, fine to coarse, are: #0000, #000, #00, #0, and #1. A coarse grit 1 is still very smooth. Sheet size is 9" x 13-3/4". Packaged in individual sheets or by the dozen.

**EH153 - SPECIAL WILLOW CHARCOAL**

Our specially selected grade of willow charcoal is a fine abrasive, chemically treated for use on copper. It will not put deep scratches on your plates. With the charcoal held vertically, rub the end of the grain against the metal. Lubricate with kerosene or gasoline mixed with a little oil. Store in that same oily mixture in a covered jar so the charcoal will soak up the lubricant. Packaged in individual sticks approximately 1-1/8" x 1-1/8" x 3-1/2".

## **SHARPENING AND POLISHING STONES**

**EP157 - ARKANSAS OIL STONE**

A natural novaculite stone used to produce the most precise edge possible. It is used for sharpening gravers and counterknives. It should be used with a light oil to help prevent clogging the stone's pores. Measures 2" x 5" x 3/4" thick. Mounted in a hardwood case.

### **EP158 - INDIA OIL STONE**

Aluminum oxide stone produces a smooth cutting edge on gravers. Double-sided with a coarse and fine side. Use with a light oil to help prevent clogging the stone's pores. Measures 2" x 6" x 1" thick.

### **EP155A - SNAKESLIP STONE**

It is used primarily on copper to reduce high spots. This off-white stone is manufactured from compressed pumice and is more abrasive than the Scotch Stone. Use water as a lubricant. Measures 5/16" x 5/16" x 5-1/2".

### **EP156 - SPECIAL EMERY STONE FOR STEEL**

The most effective stone you can use to remove large amounts of metal. The stone is generally moved back and forth on steel to remove high spots. Any scratches left from the stone can be removed easily with Emery Cloth. Thin oil or kerosene should be used to aid in cutting. Grey in colour, it measures 9/16" x 9/16" x 4".

## **DIE AND PLATE METALS**

### **ENGRAVER'S STEEL**

Cronite supplies many thicknesses of Engraver's Steel. This aircraft quality, electric furnace steel is specifically formulated to our exact specifications for ease of hand engraving and evenness of etching. At the same time, it is very tough, in order to hold up under the pressure of wiping and stamping.

The steel is ground sufficiently to get below the surface of pits and inclusions, and then polished to a smooth working surface which can still hold an acid resist. Except for photo-presensitized material, each piece is then coated with a film of anti-rust compound and wrapped in wax paper for protection.

### **XHB-(Width) - 1/2" THICK HIGH QUALITY ENGRAVER'S STEEL**

1/2" thick Steel is available in 25" long bars or in dies cut to desired lengths from available bar widths. The available widths in inches are 1, 1-1/4, 1-1/2, 1-3/4, 2, 2-1/4, 2-1/2, 2-3/4, 3, 3-1/2, 4, 4-1/2, 5.

### **XBP-(WIDTH X LENGTH) 1/4" BANKNOTE STEEL PLATES**

1/4" (6.35 mm) Banknote Plates - A specially formulated steel with a higher carbon content. The steel can accept transferring from transfer rolls and hardens more thoroughly than Cronite's 1/4" Engraver's Steel. Maximum size available is 20" X 25". The grain direction should be specified when ordering. If desired, the edges can be beveled as required for some printing machinery.

### **XPT12002500 -18 GAUGE, THIN STEEL SHEETS**

Sheets measure 12" X 25" and are coated with an anti-rust compound. Also available in 25" long strips, or in plates cut to the size you specify. Edges are deburred.

### **XQ512002500 -18 GAUGE, SAFECOAT PRESENSITIZED THIN STEEL SHEETS**

Safecoat Presensitized Thin Steel is coated with a negative-working photoresist protected by a light-blocking plastic mask. The use of positive film helps the image to be choked rather than allowed to spread, for finer details after etching. The resist requires a water-based developer. Sheet size is 12" X 25". Edges are not deburred. Use Safecoat Developer, **EH124A**.

### **ENGRAVER'S COPPER**

Cronite supplies 4 types of engraver's grade copper, in 16 gauge (.060" or 1.5 mm thick). It is the highest quality silver-bearing material available and is always flawless.

### **XC116002000 - 16 GAUGE, PRESENSITIZED COPPER SHEETS**

Coated with a negative-working resist which is protected by a light-blocking plastic masking sheet. This presensitized copper works with a positive film. It offers the distinct advantage of a very smooth surface beneath the presensitized coating for perfectly photoengraved fine lines and delicate screens. Because the

copper uses a solvent developer, shelf life is much longer than that of material that uses water-based developers. Has an enamel backcoating. Packaged in 16" X 20" sheets.

#### **XP116002000 -16 GAUGE, PRESENSITIZED POSITIVE COPPER SHEETS**

Coated with a positive-working resist which is protected by a light-blocking plastic masking sheet, this presensitized positive copper works with a negative film. When positive photo resist is exposed to ultra violet light, the exposed area can be easily removed in a water base developer. The metal surface below the exposed area is cleaned for etching, while the unexposed areas remain protected by the resist.

#### **XRF18003600 - 16 GAUGE, MATTE COPPER SHEETS**

Very smooth, dull finish (not brushed), that is non-reflective. Excellent for applying acid resists or other coatings since it has just the right surface texture and needs no additional preparation. Has an enamel backcoating. Packaged in 18" x 36" sheets.

#### **XJ116002000 - CONTA PRESENSITIZED POSITIVE COPPER**

A positive working 16 gauge presensitized copper. A positive coat is a subtractive coat, and therefore, can form its own mask for deep etching. The self-masking principle eliminates the double coating necessary to render outlines and screens with reverse type solid. Use with Contalin Developer. Packaged in sheets of 16" x 20".

#### **XJ215001800 - CONTA PRESENSITIZED POSITIVE COPPER**

1/4" Thick Conta Presensitized Positive Copper is a positive working presensitized copper. A positive coat is a subtractive coat, and therefore, can form its own mask for deep etching. The self-masking principle eliminates the double coating necessary to render outlines and screens with reverse type solid. Use with Contalin Developer. It eliminates the variables that occur when two coatings are used. With a good light source, it is possible to prepare a complete print, ready for deep etch, in less than 12 minutes. The double coating also aids the deep etch process. Packaged in sheets 15" x 18".

#### **XF107752450 - PHOTOCRONE STEEL**

##### **EH149A - PHOTOCRONE STEEL DEVELOPER, 1 GALLON**

Photocrone Pad Printing Steel - A .020" thick (1/2 mm) double-sided photo presensitized negative-working plate for pad printing machines. This very tough, high quality spring steel offers a resistance of 240,000 pounds per square inch. Special surface treatment permits excellent printing results for up to 50,000 impressions per side. (7-3/4" x 24-1/2"; 200 mm X 625 mm). It uses a solvent-based, clear developer specifically formulated for Photocrone Steel. (Materials using a solvent-based developer usually have greater shelf life than water-developable materials, because humidity will not develop them.) Processing instructions are available.

## **EDUCATIONAL AIDS**

#### **EB1200A - ENGRAVED STATIONERY HANDBOOK**

Written by R.N. Steffens, this book is still the best reference text for engravers and diestampers. It contains information on engraving, diestamping, tools, equipment, methods, supplies, and a history of engraved stationery. Used by everyone in the industry, regularly. The 332 pages are illustrated and hard bound. A great gift for the unacquainted.

#### **EB1203 - ENGRAVER'S LETTER STYLES BOOKLET**

A 23-page engraved booklet filled with over 330 of the most commonly used lettering styles available on Masterplates for Pantograph use. A necessary reference for all engraving departments, as well as for salesmen displaying styles to customers.

#### **EB1204A - ENGRAVER'S TRAINING MANUAL**

Prepared by members of The Engraved Stationery Manufacturers Association. A comprehensive training guide for the engraving trade, describing the process so that even a beginner can understand. Presents an

efficient, safe method for hand feeding Carver, Modern, and Waite diestamping presses. Also describes procedures for engraving copper, brass, zinc, and steel plates. Everyone should read it. 34 pages, illustrated.

**EB1202 - HERALDIC DESIGNS AND ENGRAVINGS BOOK**

A complete guide to crest designs, their composition, and commonly used crest lettering styles. Written by J.M. Bergling and A. Tuston Hay in an interesting and concise style. 92 pages with over 2,000 illustrations and a complete dictionary of heraldic terms.

**EB1201- ART MONOGRAMS AND LETTERING BOOK**

An encyclopedia of monograms and monogram lettering styles by J.M. Bergling and V.C. Bergling. For engravers, designers, and all lovers of art. 110 fully illustrated pages, flexible cover.

**PB1102 - CRONITE 5 X 9, PARTS AND INSTRUCTION BOOKLET, 47 PAGES**

**PB1103 - CRONITE 3 X 8-3/4, PARTS AND INSTRUCTION BOOKLET, 41 PAGES**

**PB1104A - CARVER 4-1/2 X 9, PARTS BOOKLET, 21 PAGES**

**PB1104B - CARVER 3 X 8, 4 X 8-1/2, PARTS BOOKLET, 17 PAGES**

**PB1105 - CARVER 2-1/2 X 4, PARTS BOOKLET, 16 PAGES**

**PB1106 - MODERN 2-1/4 X 4, 4 X 8, 6 X 10, PARTS BOOKLET, 40 PAGES**

**PB1108 - WAITE & SAVILLE 8 X 3, 9 X 5, PARTS BOOKLET, 18 PAGES**

**PB1109A - CARVER 6 X 10, 7 X 11, PARTS BOOKLET**

Press Parts Booklets - All Parts Booklets include illustrations and Part Numbers.

**PB1107A - TRAINING VIDEO**

Training Video, Cronite 5 X 9 Hi-Speed Press System - Detailed training aid covers the procedures for the proper operation of the Cronite 5 X 9 Press, equipped with a High Speed 8000 Autofeed and Telestacker Drier. Contains valuable information for all diestamping press operators. VHS video cassette. Approximately 2½ hours.

## **CRONITE 3 X 8¾ HI-SPEED PRESSES**

### **SHORT STROKE PRESS, STYLE A**

Press prepared to accept an automatic sheet feeder, with paper wipe, and without feedboards.

### **SHORT STROKE PRESS, STYLE B**

Press with feedboards, with paper wipe and with point of operation finger guard.

### **CONVENTIONAL PRESS, STYLE E**

Press prepared to accept an automatic sheet feeder, with paper wipe, and without feedboards.

### **CONVENTIONAL PRESS, STYLE F**

Press with feedboards, with paper wipe and with point of operation finger guard.

## **CRONITE 5 X 9 HI-SPEED PRESSES**

**STYLE A** - Press equipped with Wipe-O-Matic and prepared for Autofeed, without feedboards.

**STYLE B** - Press equipped with Wipe-O-Matic, but with hand feedboards and finger guard.

**STYLE C** - Press prepared to accept automatic feeder, with paper wipe, and without feedboards.

**STYLE D** - Press with paper wipe, feedboards, and with point of operation finger guard.

## **TELESTACKER DRIERS**

### **STYLE AR**

Complete Telestacker with a return belt to the operator's position, a hot air dehumidifier, and with a roller front section.

### **STYLE A**

Same as AR, but without roller front section.

### **STYLE BR**

Telestacker with a top belt only, with a hot air dehumidifier, and with a roller front section.

### **STYLE B**

Same as BR, but without roller front section.

### **STYLE CR**

Telestacker with a top belt only and with no heating unit and with roller front section. Similar to Style "B" and "BR" but is used where ambient air will dry the ink.

### **STYLE C**

Same as CR, but without roller front section.

### **STYLE DR**

Telestacker with a return belt to the operator's position and with a roller front section, but without a hot air dehumidifier.

### **STYLE D**

Same as DR, but without roller front section.

## **AUTOFEED AUTOMATIC FEEDERS**

### **11 X 14 STANDARD SIZE CATERPILLAR**

Capability of running cards, envelopes, and letterheads, arranged for direct drive from press.

### **11 X 14 HI-SPEED 8000**

Same as above but with all electrical controls and safeties, roll over drum, and paper drive belts which speed up and down for gentler paper handling. Will operate at very high speeds.

### **15 X 15 LARGE SIZE CATERPILLAR**

For letterheads, report covers, and bi-folded sheets arranged for direct drive from press. These feeders are made to order only and are not normal production items. Delivery after order is approximately 40 weeks.

### **15 X 15 HI-SPEED 8000**

Same as above, Special Order Only.

Attachment Parts for Direct Drive - **2-1/2 X 4 Modern Press, 2-1/2 X 4 Carver Press.**

Attachment Parts for Independent Drive - **3 X 8 - 4 X 8-1/2 Carver Press, 4-1/2 X 9 Carver Press.**

Attachment Parts for Direct Drive - **3 X 8-3/4 Hi-Speed, 5 X 9 Hi-Speed.**

### **CONTINUOUS FORMS FEEDER**

A feeder and drier which will run fan folded, pinholed, and perforated paper, pack to pack through a 5 X 9 Hi-Speed Press at high speed. Is designed to fit many other machines used in the printing industry.

## **ENGRAVING MACHINES**

### **ZERO ENGRAVING MACHINE -**

An extremely precise manual tracing pantograph which extends, condenses, and can reduce 3/4" high images to zero height.

### **RULING MACHINE**

Is capable of straight line, wave line, and circular line ruling up to 1800 lines per inch with the possibility of 180 lines of radial ruling. A diamond point is used to scratch through an acid resist to expose metal which is later etched.

## **ETCHING MACHINES**

### **STANDARD MODEL PVC TRU-ETCH ETCHING MACHINE,**

11" X 14" - 220V, 50Hz, with motor & timer & heating pad & control & hydrometer.

### **LARGE SIZE MODEL PVC TRU-ETCH ETCHING MACHINE,**

11" X 24" - 220V, 50Hz, with motor & timer & heating pad & control & hydrometer.

### **SEA SUPER-ETCH ETCHING MACHINE**

An upgraded Tru-Etch Machine with the best features of every etching machine ever made have gone into its design, giving the most controllable etched product at an affordable price. It will automatically etch with either a spray head or twin counter rotating paddles up to a size of 406 x 406mm (16" x 16"), or 305 x 305mm (12" x 12") with the optional rotary work holder. A digital cycle timer, digital temperature controller, 600 watt heater, observation window, safety interlock, low level alarm, cooling coil, hydrometer port and a rinse tank are all standard features.

Available as options are a chiller, exhaust hood and blower, fume scrubber, neutralizer and rinse water evaporator, 50 gallon remote etchant supply, platform which also acts as a secondary containment, rotating work holder, oscillating spray head system, variable speed paddle system, tachometer for paddle speed, etchant dispensing gun and a twin opposing spray head system for etching both sides of a piece of metal.

#### **WESTERN TECHNOLOGY DYNAMIL VRP-100 SPRAY ETCHING MACHINE**

A machine which can etch up to 12" X 12" plates and dies while randomly raising and lowering the work rack as it rotates. Temperature and pressure of the sprayed acid is controllable. The options available range from rinse tanks to chillers to spargers. Mainly used with Ferric Chloride acid to etch copper and steel..

#### **WESTERN TECHNOLOGY DYNAMIL VRP-200 SPRAY ETCHING MACHINE**

Same as above, but which can etch a plate measuring 16" X 16".

### OTHER EQUIPMENT

#### **HOT FOIL STAMPING ATTACHMENTS**

Available in different sizes for the following die stamping presses. It may be possible to make a specific unit fit more than one type of press.

2-1/2 X 4, 3 X 8, 4 X 8-1/2, 4-1/2 X 9 Carver;

2-1/2 X 4, 3 X 8, 5 X 9 Modern;

5 X 9 Hi-Speed.

#### **MULTIPLE COLOURED INK FOUNTAIN**

"Split" fountains are made to order mainly for 3 X 8-3/4 or 5 X 9 Hi-Speed Presses, although these have been made for every press ever made except the Waite & Saville. Permits multiple Colours to be applied on one press pass, so long as the Colours are separated by about 1" and are side by side.

#### **SAFETY AUDIBLE WARNING DEVICE**

Available for every press made in North America. Requires that the operator press a lighted button which gives off a sound and releases a latch prior to permitting the press to be put into motion. Therefore, the press is locked out each time it is stopped, as is required by OSHA.

#### **CHROME PLATING SYSTEM**

Available to deposit hard chrome on either steel or copper plates for long run operations.

#### **CHROME FILTRATION UNIT**

An ion exchange filter for removing chrome from the rinse water for sewage pretreatment.

#### **SECOND HAND AND RECONDITIONED EQUIPMENT**

Presses, feeders, and driers. (Depending on availability.)

INCHES TO MILLIMETER - UNITS

<b>Inches</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>
0		254.0	508.0	762.0	1016.0
1	25.4	279.4	533.4	787.4	1041.4
2	50.8	304.8	558.8	812.8	1066.8
3	76.2	330.2	584.2	838.2	1092.2
4	101.6	355.6	609.6	863.6	1117.6
5	127.0	381.0	635.0	889.0	1143.0
6	152.4	406.4	660.4	914.4	1168.4
7	177.8	431.8	685.8	939.8	1193.8
8	203.2	457.2	711.2	965.2	1219.2
9	228.6	482.6	736.6	990.6	1244.6

One Inch = 25.399978 millimetres  
One Metre = 39.370113 inches  
One Mile = 1.6093 Km  
One Km = 0.62138 miles

DECIMALS TO MILLIMETERS - FRACTIONS

<b>1/1000</b>		<b>1/100</b>		<b>1/10</b>	
<b>Inches</b>	<b>mm</b>	<b>Inches</b>	<b>mm</b>	<b>Inches</b>	<b>mm</b>
0.001	0.0254	0.01	0.254	0.1	2.54
0.002	0.0508	0.02	0.508	0.2	5.08
0.003	0.0762	0.03	0.726	0.3	7.62
0.004	0.1016	0.04	1.016	0.4	10.16
0.005	0.1270	0.05	1.270	0.5	12.70
0.006	0.1524	0.06	1.524	0.6	15.24
0.007	0.1778	0.07	1.778	0.7	17.78
0.008	0.2032	0.08	2.032	0.8	20.32
0.009	0.2286	0.09	2.286	0.9	22.86