

## GRAPHIC OIL BASE ETCHING & PERFECTION PALETTE INKS

Graphic Chemical inks have been sought after by printmakers around the world since 1920. In the more than eight decades of making fine inks, we believe that we have learned a great deal about what is useful and what is not. We have produced inks for the greats, the near greats, and a few soon-to-be greats. Graphic Chemical & Ink Company has stocking distributors in Europe, Asia, and Australia, with new distributorships opening on a regular basis.

The inks themselves are suitable for all etching and intaglio processes that use oil based technology. Most inks are available in multiple containers, including:

- 1/4 pound tubes - similar to a toothpaste tube
- 1 pound cartridges - these use a caulking gun
- 1 pound slip top cans - the industry standard
- 1 pound plastic screw topped cans - easy to open
- 5 pound slip top cans - economical for the studio

Additionally, we can do special packaging to suit your needs, whether it's gram weights or 1 kilo cans, or an 8 ounce can for a special project. All containers are filled by weight, not volume, and contain no added extenders.

We offer two lines of oil based Intaglio inks - the standard line which offers colors similar to those used by printers, and the very popular Perfection Palette line of inks which has the more extensive range of colors found on an artist's palette. The Perfection Palette inks have the added advantage of being suitable for both intaglio and relief printing techniques.

A few words about our black inks -

**514 Bone Black** is the most popular black etching ink available, with a formula virtually unchanged since it was developed in 1920. It is manufactured using Bone (Ivory) Black pigment.

**327 Blue Black** also dates back to the first days of Graphic Chemical. It has a very intense blue pigment added to achieve a cold, blacker color.

**135 Stiff Black** was originally a plate ink used by the commercial engravers. It was developed to be much stiffer than either the 327 or the 514 blacks.

**1014 Vine Black** was developed after World War II to provide an etching black which was somewhat warmer in color. The pigment was made from the clippings of grape vines that have been charred.

**1797 Intense Black** is just what the name implies - a very intense black that is fairly stiff. It's a great ink for mezzotints and aquatints.

**2275 Frankfurt Black** was developed fairly recently for a customer who wanted to match the ink he'd used when he was in college. We were able to match what he wanted by combining Vine and Bone Blacks.

**2324 Chicago Black** was another ink manufactured for a specific customer who wanted a stiffer version of the Bone Black, and wanted an American name for the product.

**2326 Graphite** utilizes a combination of black pigments and metallic silver to produce a soft pencil-like color.

**2348 Process Black** is a pure black pigment that when used with the other process colors (magenta, blue, and yellow) allows you to mix to almost any color.

**2398 Renaissance Black** was developed in the late '80's. It is a black ink with a hint of Burnt Sienna to soften the color just slightly.

**2400 Banknote Black** is one of the newest additions to our ever growing line of inks. A specialty ink with high tack and opacity, this ink was actually made for a banknote printer who couldn't find a suitable offering elsewhere.

## GRAPHIC CHEMICAL & INK CO.

Telephone (800) 465-7382 Fax (630) 832-6064 [www.graphicchemical.com](http://www.graphicchemical.com)

# GRAPHIC ETCHING & PERFECTION PALETTE INKS

		1/4 lb Tube A	1 lb Cartridge B	1 lb Can C
<b>BLACKS</b>				
Etching				
135	Stiff Black .....	----	----	11.80
327	Blue Black .....	5.90	12.10	11.80
514	Bone Black .....	5.90	12.10	11.80
1014	Vine Black .....	5.90	12.10	11.80
2275	Frankfurt Black .....	----	----	11.80
2324	Chicago Black (Stiff) .....	----	----	11.80
2326	Graphite .....	5.90	12.10	11.80
2369	Extra Stiff Black .....	----	----	11.80
2398	Renaissance Black .....	5.90	12.10	11.80
2400	Banknote Black .....	10.10	20.50	20.20
Perfection Palette Etching				
1797	Intense Black .....	6.35	13.00	12.70
2348	Process Black .....	5.90	12.10	11.80
<b>EARTH TONES</b>				
Etching				
545	Dark Brown .....	5.75	11.80	11.50
603	Burnt Umber .....	5.75	11.80	11.50
753	Burnt Sienna .....	5.75	11.80	11.50
1028	Yellow Ochre .....	5.75	11.80	11.50
1055	Raw Sienna .....	5.75	11.80	11.50
1717	Raw Umber .....	5.75	11.80	11.50
2265	Sepia .....	5.75	11.80	11.50
2331	Red Iron Oxide .....	5.75	11.80	11.50
2334	Mars Violet .....	7.50	15.30	15.00
2341	Indian Red .....	6.85	14.00	13.70
<b>BLUES</b>				
Etching				
579	Midnight Blue .....	6.50	13.30	13.00
2314	Carbazole Violet .....	9.65	19.60	19.30
2337	Thalo Turquoise .....	8.20	16.70	16.40
2343	Thalo Blue - Green Shade* .....	7.85	12.10	15.70
Perfection Palette Etching				
1016	Thalo Blue - Red Shade* .....	8.65	13.28	17.30
1017	Ultramarine Blue .....	14.55	29.40	29.10
1024	Cobalt Blue .....	6.65	13.60	13.30
2041	Permanent Peacock Blue .....	6.25	12.80	12.50
2346	Process Blue* .....	8.65	13.28	17.30

With our product code system, one needs to follow the ink number with the appropriate suffix to identify the size container you would like. For example, a 1/4 lb tube of 514 Bone Black would be 514A, while a 1 lb cartridge would be 514B and a 1 lb metal slip top can would be 514C. One pound plastic screw-tops would be 514D and 5 lb metal cans would be 514E. "D"s are priced as "C"s. "E"s pricing is \$0.15 per pound less than the "C" price times 5.

12170	Skin Papers, 3 3/4" For Slip Top Cans	per hundred	1.25
		per thousand	10.00
12173	Skin Papers, 3 1/4" For Screw Top Cans	per hundred	1.25
		per thousand	10.00
12171	Skin Papers, 6" For 5 lb Ink Cans	per hundred	2.00
		per thousand	15.00

		1/4 lb Tube A	1 lb Cartridge B	1 lb Can C
<b>REDS</b>				
Etching				
2336	Thalo Red .....	8.15	16.60	16.30
Perfection Palette Etching				
1018	Rose Madder .....	15.35	31.00	30.70
1025	Cadmium Red Dark .....	7.85	16.00	15.70
1026	Cadmium Red Light .....	7.85	16.00	15.70
1044	Bright Red* .....	9.10	13.95	18.20
2138	Alizarin Crimson .....	8.70	17.70	17.40
2327	Cadmium Red Medium .....	6.40	13.10	12.80
2347	Process Magenta .....	6.40	13.10	12.80
<b>GREENS</b>				
Etching				
577	Green .....	10.00	20.30	20.00
2333	Thalo Viridian .....	5.85	12.00	11.70
2372	Deep Forest Green .....	7.90	16.10	15.80
Perfection Palette Etching				
1022	Viridian Green .....	7.75	15.80	15.50
2099	Thalo Green .....	12.25	24.80	24.50
<b>YELLOW</b>				
Etching				
2292	Orange .....	7.80	15.90	15.60
Perfection Palette Etching				
1020	Cadmium Yellow .....	11.65	23.60	23.30
1021	Cadmium Orange .....	6.95	14.20	13.90
1599	Diarylide Yellow* .....	7.25	11.20	14.50
2349	Process Yellow* .....	7.25	11.20	14.50
<b>METALLICS &amp; WHITES</b>				
Etching				
1861	Silver* .....	11.95	18.25	23.90
2027	Karat Gold .....	15.35	31.00	30.70
2248	Copper Bronze* .....	13.30	20.27	26.60
2316	Pale Gold* .....	15.30	23.25	30.60
1000	Opaque White** .....	8.75	26.55	17.50
2410	Transparent White .....	10.05	19.40	20.10
2411	Radiant White** .....	9.70	29.40	19.40
2325	Paynes Gray .....	5.80	11.90	11.60

\* Cartridge contains 3/4 Lb of ink  
 \*\* Cartridge contains 1 1/2 Lb of ink

GCInks	Sample Set of Intaglio Inks includes 1 4 oz can each: Process Black, Process Blue, Process Magenta, Process Yellow, and Easy Wipe	24.00
12490	Caulking Gun	4.50
10050	Anti Skin Spray *** *** May not ship by air	Pint 11.80

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 Prices subject to  
 change without notice.

Graphic Chemical & Ink Company  
 Telephone - 800-465-7382 Fax - 630-832-6064 www.graphicchemical.com

# CHARBONNEL Etching Inks

81467	Apricot Yellow	200 ml can.....	27.20	81866	Apricot Yellow	60 ml tube.....	10.85
81500	Bistre	200 ml can.....	16.90	81899	Bistre	60 ml tube.....	8.20
81497	Burnt Sienna	200 ml can.....	16.90	81896	Burnt Sienna	60 ml tube.....	8.20
81494	Burnt Umber	200 ml can.....	16.90	81893	Burnt Umber	60 ml tube.....	8.20
81471	Cardinal Red	200 ml can.....	26.40	81870	Cardinal Red	60 ml tube.....	9.65
81472	Carmine Red	200 ml can.....	22.15	81871	Carmine Red	60 ml tube.....	8.60
81483	Cerulean Blue	200 ml can.....	22.15	81882	Cerulean Blue	60 ml tube.....	8.60
81482	Cobalt Blue	200 ml can.....	22.15	81881	Cobalt Blue	60 ml tube.....	8.60
81478	Concentrated Blue	200 ml can.....	32.45	81877	Concentrated Blue	60 ml tube.....	14.45
81465	Deep Yellow	200 ml can.....	19.25	81864	Deep Yellow	60 ml tube.....	8.60
81490	Emerald Green	200 ml can.....	26.40	81889	Emerald Green	60 ml tube.....	9.55
81474	Geranium Red (Primary)	200 ml can.....	31.65	81873	Geranium Red (Primary)	60 ml tube.....	14.45
81506	Gold	200 ml can.....	31.65	81916	Gold	60 ml tube.....	14.45
81466	Indian Yellow	200 ml can.....	26.90	81865	Indian Yellow	60 ml tube.....	14.45
81462	Lemon Yellow	200 ml can.....	26.40	81861	Lemon Yellow	60 ml tube.....	9.65
81475	Madder Lake	200 ml can.....	26.90	81874	Madder Lake	60 ml tube.....	11.15
81488	Medium Green	200 ml can.....	22.15	81887	Medium Green	60 ml tube.....	8.60
81468	Nasturtium Yellow	200 ml can.....	31.65	81867	Nasturtium Yellow	60 ml tube.....	10.85
81484	Ocean Blue (Primary)	200 ml can.....	26.90	81883	Ocean Blue (Primary)	60 ml tube.....	8.60
81479	Orient Blue	200 ml can.....	22.15	81878	Orient Blue	60 ml tube.....	8.60
81505	Paynes Gray	200 ml can.....	22.15	81902	Payne Gray	60 ml tube.....	8.60
81487	Perm Green Lake	200 ml can.....	31.65	81886	Perm Green Lake	60 ml tube.....	9.55
81491	Perm Viridian Lake	200 ml can.....	31.65	81890	Perm Viridian Lake	60 ml tube.....	9.55
81464	Perm Yellow Lake (Primary)	200 ml can.....	31.65	81863	Perm Yellow Lake (Primary)	60 ml tube.....	10.85
81477	Permanent Violet	200 ml can.....	31.65	81876	Permanent Violet	60 ml tube.....	10.85
81463	Primrose Yellow	200 ml can.....	26.40	81862	Primrose Yellow	60 ml tube.....	9.55
81480	Prussian Blue	200 ml can.....	22.15	81879	Prussian Blue	60 ml tube.....	8.60
81499	Raw Sepia	200 ml can.....	16.90	81898	Raw Sepia	60 ml tube.....	8.20
81493	Raw Sienna	200 ml can.....	16.90	81892	Raw Sienna	60 ml tube.....	8.20
81503	Raw Umber	200 ml can.....	16.90	81900	Raw Umber	60 ml tube.....	8.20
81496	Red Ochre	200 ml can.....	16.90	81895	Red Ochre	60 ml tube.....	8.20
81473	Ruby Red	200 ml can.....	31.65	81872	Ruby Red	60 ml tube.....	14.45
81495	Sanguine	200 ml can.....	16.90	81894	Sanguine	60 ml tube.....	8.20
81489	Sap Green	200 ml can.....	26.40	81888	Sap Green	60 ml tube.....	9.55
81507	Silver	200 ml can.....	31.65	81917	Silver	60 ml tube.....	14.45
81476	Solferino Violet	200 ml can.....	31.65	81875	Solferino Violet	60 ml tube.....	14.45
81486	Spring Green	200 ml can.....	22.15	81885	Spring Green	60 ml tube.....	8.60
81485	Turquoise Blue Lake	200 ml can.....	16.90	81884	Turquoise Blue Lake	60 ml tube.....	8.20
81481	Ultramarine Blue	200 ml can.....	16.90	81880	Ultramarine Blue	60 ml tube.....	8.20
81504	Van Dyke Brown	200 ml can.....	26.40	81901	Van Dyke Brown	60 ml tube.....	8.60
81469	Vermilion Red	200 ml can.....	31.65	81868	Vermilion Red	60 ml tube.....	11.15
81470	Warm Red	200 ml can.....	32.45	81869	Warm Red	60 ml tube.....	14.45
81498	Warm Sepia	200 ml can.....	16.90	81897	Warm Sepia	60 ml tube.....	8.20
81492	Yellow Ochre	200 ml can.....	16.90	81891	Yellow Ochre	60 ml tube.....	8.20
81002	Snow White T.I.	200 ml can.....	24.00	81903	Snow White T.I.	60 ml tube.....	9.75
81004	Snow White R.S.	200 ml can.....	20.10	81904	Snow White R.S.	60 ml tube.....	9.75
81006	Covering White	200 ml can.....	20.10	81905	Covering White	60 ml tube.....	9.75
81034	White Transparent Lake	400 ml can.....	28.40	81906	White Transparent Lake	60 ml tube.....	7.85
81070	Black Concentrated R.S.R.	400 ml can.....	26.25	81914	Black Soft	60 ml tube.....	7.25
81071	Black Concentrated R.S.R.	200 ml can.....	15.30	81913	Black Universal #55981	60 ml tube.....	7.25
81079	Black Dense #55985	400 ml can.....	26.25	81907	Black Ivory	60 ml tube.....	7.25
81080	Black Dense #55985	200 ml can.....	15.30				
81064	Black Medium Dense F66	400 ml can.....	27.55				
81065	Black Medium Dense F66	200 ml can.....	15.15	81069	Black Concentrated R.S.R.	800 ml can.....	50.65
81067	Black Soft	400 ml can.....	27.55	81078	Black Dense #55985	800 ml can.....	50.65
81068	Black Soft	200 ml can.....	15.15	81075	Black Universal #55981	800 ml can.....	50.65
81076	Black Universal #55981	400 ml can.....	26.25				
81077	Black Universal #55981	200 ml can.....	15.30				
81073	Black w/ Blue Glints Luxe C	400 ml can.....	26.25				
81074	Black w/ Blue Glints Luxe C	200 ml can.....	15.30				
81082	Black w/ Red Glints #71303	400 ml can.....	26.25				
81083	Black w/ Red Glints #71303	200 ml can.....	15.30				

dscn 0043  
Charbonnel Etch Ink

# CALIGO "Safe Wash" Etching Inks

Caligo Safe Wash inks are designed to wash away safely and easily with just soap and water, without the need for potentially harmful and expensive solvents. However, unlike other inks, Caligo Safe Wash etching inks are still oil-based and will therefore handle and print like traditional oil-based printmaking inks.

CSW1943	Caligo Intaglio Carbon Black	500 gram	25.00
CSW1943A	Caligo Intaglio Carbon Black	75 ml	8.00
CSW1944	Caligo Intaglio Brown-Black	500 gram	25.00
CSW1944A	Caligo Intaglio Brown-Black	75 ml	8.00
CSW1945	Caligo Intaglio Blue-Black	500 gram	25.00
CSW1945A	Caligo Intaglio Blue-Black	75 ml	8.00
CSW24911A	Caligo Intaglio Process Cyan	75 ml	8.00
CSW24914B	Caligo Intaglio Ultramarine	250 gram	16.00
CSW24915A	Caligo Intaglio Prussian Blue	75 ml	9.00
CSW32284	Caligo Intaglio Sepia	500 gram	25.00
CSW32284A	Caligo Intaglio Sepia	75 ml	8.00
CSW43171A	Caligo Intaglio Phthalo Green	75 ml	9.00
CSW63599A	Caligo Intaglio Naphthol Red	75 ml	9.00
CSW63601A	Caligo Intaglio Process Magenta	75 ml	10.00
CSW63602A	Caligo Intaglio Rubine Red	75 ml	8.00
CSW71204A	Caligo Intaglio Carbazole Violet	75 ml	13.00
CSW83838	Caligo Intaglio Opaque White	500 gram	25.00
CSW83838A	Caligo Intaglio Opaque White	75 ml	8.00
CSW83840	Caligo Intaglio Extender	500 gram	25.00
CSW83840A	Caligo Intaglio Extender	75 ml	8.00
CSW83948	Caligo Intaglio Oil	250 ml	8.00
CSW91779A	Caligo Intaglio Process Yellow	75 ml	9.00
CSW91780A	Caligo Intaglio Warm Yellow	75 ml	9.00
CSW91782A	Caligo Intaglio Yellow Ochre	75 ml	8.00

# GAMBLIN Artist Colors

Gamblin Artist Colors are traditional oil-based inks. They are highly pigmented without much extender.

I1001	Portland Black	300 ml can	30.75
I1002	Portland Cool Black	300 ml can	30.75
I1003	Stiff Portland Black	300 ml can	30.75
I1005	Bone Black	300 ml can	30.75
I1006	Carbon Black	300 ml can	30.75
I1007	Graphite	300 ml can	36.00
I1260	Dioxazine Purple	300 ml can	36.00
I1300	Hansa Yellow Light	300 ml can	40.00
I1470	Naphthol Red	300 ml can	36.00
I1540	Phthalo Red	300 ml can	36.00
I1560	Prussian Blue	300 ml can	36.00
I1590	Quinacridone Red	300 ml can	36.00
I1665	Sepia	300 ml can	40.00
I1700	Ultramarine Blue	300 ml can	36.00
I1780	Yellow Ochre	300 ml can	36.00
I1810	White	300 ml can	31.00
I1840	Transparent Base	300 ml can	30.50

# FAUST Etching Inks

Faust Inks are heavily pigmented inks that are very stiff until worked on a slab.

Q3A-1	Midnight Blue	Tube	5.80	Q3A-3	Midnight Blue	Can	11.45
Q602-1	Cad Medium Lt Red	Tube	7.75	Q602-3	Cad Medium Lt Red	Can	14.75
Q603-1	Primrose Yellow	Tube	6.25	Q603-3	Primrose Yellow	Can	12.25
Q604-1	Cadmium Orange	Tube	6.95	Q604-3	Cadmium Orange	Can	13.05
Q605-1	Thalo Blue 6S	Tube	6.25	Q605-3	Thalo Blue 6S	Can	11.95
Q606-1	Cad Golden Yellow	Tube	6.25	Q606-3	Cad Golden Yellow	Can	12.25
Q607-1	Rose Madder	Tube	6.25	Q607-3	Rose Madder	Can	11.95
Q608-1	Warm Black	Tube	5.25	Q608-3	Warm Black	Can	10.45
Q610-1	Phthalo Green	Tube	6.40	Q610-3	Phthalo Green	Can	12.60
Q613-1	Milor Blue	Tube	6.20	Q613-3	Milor Blue	Can	12.15
Q614-1	English Red	Tube	6.05	Q614-3	English Red	Can	11.75
Q620-1	Burnt Umber	Tube	5.15	Q620-3	Burnt Umber	Can	10.00
Q621-1	Burnt Sienna	Tube	5.15	Q621-3	Burnt Sienna	Can	10.00
Q622-1	Raw Umber	Tube	5.15	Q622-3	Raw Umber	Can	10.00
Q623-1	Raw Sienna	Tube	5.15	Q623-3	Raw Sienna	Can	10.00
Q625-1	Ochre	Tube	5.15	Q625-3	Ochre	Can	10.00
Q626-1	Ultramarine Blue	Tube	6.40	Q626-3	Ultramarine Blue	Can	12.60
Q636-1	Jet Black	Tube	5.45	Q636-3	Jet Black	Can	10.85
Q644-1	Carbazole Violet	Tube	8.50	Q644-3	Carbazole Violet	Can	17.00
Q660-1	Mixing White	Tube	5.00	Q660-3	Mixing White	Can	10.00
Q665-1	Sepia	Tube	5.75	Q665-3	Sepia	Can	11.25
Q666-1	Olive Green	Tube	6.40	Q666-3	Olive Green	Can	12.60
Q699-1	Transparent Base	Tube	4.83	Q699-3	Transparent Base	Can	9.67

# AKUA Intaglio Inks

Akua Intaglio works well for all types of traditional intaglio/etched plates including the new safer alternatives, such as Ultra Imago film and Solarplates. It also has the advantage of rolling up nicely for monoprint Akua Intaglio and Akua Kolor are compatible and contain the same light-fast pigments. Add Akua Kolor to Akua Intaglio Transparent Base and create new intaglio or roll-up colors. Akua Intaglio cleans up easily with dish detergent and water.

AK-041	Akua Intaglio Trans Base	Can	14.30	AK-056	Akua Intaglio Yellow Ochre	Can	15.40
AK-042	Akua Intaglio Hansa Yellow	Can	17.50	AK-059	Akua Intaglio Red Oxide	Can	15.40
AK-045	Akua Intaglio Scarlet Red	Can	18.00	AK-063	Akua Intaglio Lamp Black	Can	16.45
AK-046	Akua Intaglio Crimson Red	Can	17.50	AK-064	Akua Intaglio Carbon Black	Can	15.40
AK-049	Akua Intaglio Carbazole Violet	Can	16.45	AK-065	Akua Intaglio Titanium White	Can	17.00
AK-051	Akua Intaglio Phthalo Blue	Can	16.45	AK-066	Akua Intaglio Vandyke Brown	Can	17.00
AK-054	Akua Intaglio Phthalo Green	Can	16.45	AK-067	Akua Intaglio Oil Converter	Can	14.30

# PIGMENTS

Graphic carries one of the most extensive collections of dry pigments available anywhere. In addition to blacks and earth colors, we carry a broad range of colors and metallics. All pigments that we carry are permanent with normal usage. In addition to the normal range of dry pigments, we carry for more specialized usage, pigments already in dispersions of either oil or water, known as flushed pigments which generally are very intense colors. They also tend to be more expensive.

## GRAPHIC DRY PIGMENTS

		Per Pound				Per LB	
		1-4	5+			1-4	5+
13850	Bone Black .....	3.85	3.55	14030	Thalo Blue (Green Shade) .....		21.00
13860	Burnt Sienna .....	4.95	4.65	14040	Thalo Blue (Red Shade) .....		27.15
13870	Burnt Umber .....	5.25	4.95	14050	Thalo Green .....		19.50
13930	Carbon Black .....	4.75	4.45				
13940	Frankfurt Black (Medium warm) .....	4.85	4.55				
13960	Lamp Black (Very blue) .....	4.90	4.25				
13990	Raw Sienna .....	4.30	3.75				
14000	Raw Umber .....	5.30	5.00				
14060	Titanium White .....	8.25	7.95				
14080	Ultramarine Blue #508 .....	7.20	6.90				
14100	Vine Black .....	5.55	5.25				
14110	Yellow Ochre .....	6.50	6.20				
14120	Zinc White .....	3.95	3.65				
14125	Red Iron Oxide .....	8.90	8.60				
14127	Yellow Iron Oxide .....	8.90	8.60				

		Per Pound			
		1-4	5+		
METALLIC PIGMENTS					
13950	Karat Gold #1209 .....	15.05	14.75		
13970	Light Pale Gold #1009 .....	8.95	8.65		
13980	Pale Gold #1736 .....	11.95	11.65		
14020	Silver #1399 .....	13.20	12.90		
11610	Metallic Ink Varnish #157 per pint .....				8.00
11613	per quart .....				14.90
11616	per gallon .....				46.55

## D'UVA Powders

32610	Crimson 2 oz .....	4.40	32660	Cerulean Bl 2 oz .....	4.40
32620	Cardinal Red 2 oz .....	4.40	32670	Ultra Blue 2 oz .....	4.40
32630	Sunset Orange 2 oz .....	4.40	32680	Yadira Violet 2 oz .....	4.40
32640	Lemon Yellow 2 oz .....	4.40	32690	Carbon Black 2 oz .....	4.40
32650	Forest Green 2 oz .....	4.40	32700	Umber Brown 2 oz .....	4.40

## Sennelier Pigments

85010	Phos Green	15.40	85308	Indigo Blue	82.70	85551	Chrm Yell Deep	17.80	85755	Ivory Black	9.90
85020	Iridescent	27.60	85309	Cobalt Deep	90.10	85567	Naples Yell	13.90	85759	Mars Black	12.95
85030	Yellow Gold	30.70	85312	Ultram Light	13.90	85574	Primary Yell	20.70	85761	Black Fresco	13.80
85036	Copper	33.85	85315	Ultram Deep	13.90	85576	Nickel Yell	38.70	85763	Black Lake	31.10
85040	Red Gold	30.70	85318	Prussian Bl	13.90	85603	Perm Red Deep	22.30	85765	Graphite	17.00
85108	Flake White	14.70	85320	Azure Blue	13.90	85604	Fluor Red	36.70	85805	Chr Grn Lt	25.80
85116	Titanium Wh	14.70	85323	Cerulean Hue	13.90	85619	Helios Red	13.90	85807	Chr Grn Deep	28.10
85119	Zinc White	14.70	85341	Cob Turq Bl	90.10	85623	Venetian Red	13.90	85815	Crom Oxide Gr	25.50
85202	Burnt Umber	9.90	85385	Primary Blue	16.45	85631	Mars Red	44.60	85821	Barite Green	20.10
85205	Raw Umber	9.90	85387	Phthalo Blue	39.90	85648	Fluor Orange	36.70	85833	Cobalt Gr Lt	105.00
85208	Raw Sienna	9.90	85405	Red Brown	15.40	85654	Fluor Pink	36.70	85835	Cobalt Gr Dp	105.00
85211	Burnt Sienna	9.90	85407	Van Dyck Br	22.30	85675	Fr Verm Hue	13.90	85837	Viridian	56.80
85213	Green Earth	9.90	85471	Brown Madder	24.40	85677	Ch Verm Hue	17.80	85847	Emlid Grn Hue	19.50
85252	Yellow Ochre	9.90	85501	Lemon Yellow	18.40	85679	Quin Red	60.50	85869	Virid Grn Hue	22.50
85255	Brown Ochre	14.80	85502	Fluor Yellow	37.90	85686	Primary Red	27.60	85895	Fluor Green	37.70
85259	Red Ochre	11.40	85505	Mars Yellow	17.80	85694	Aliz Scar Lk	24.10	85896	Phtha Green	41.40
85304	Fluor Blue	36.60	85511	Br Yell Hue	15.90	85696	Aliz Red Lk	29.50	85909	Cob Violet D	114.50
85305	Cerulean Bl	83.70	85549	Chrm Yell Lt	17.00	85697	Solferino Lk	20.70	85915	Mineral Viol	13.90
85307	Cobalt Blue	83.70							85916	Ultra Violet	19.10

# Ink Conditioners

Inks manufactured in the United States are generally produced in a "ready to use" manner. The problem, of course, is that different artists work differently, so one ink may not work equally well for two different printmakers. That's where ink conditioners come into the picture. By choosing your ink conditioners wisely, you can accomplish almost anything that you want to do with the ink.

## Burnt Plate Oil

The most common ink conditioner is Burnt Plate Oil. Depending upon the grade, you can reduce the body of an ink or body it up without materially affecting the tack of the ink. We carry a wide range of grades from #0000 to #8. The lower the number, the thinner the Burnt Plate Oil. Corn Starch, Magnesium Carbonate and Calcium Carbonate are a few of the more traditional additives for stiffening inks.

## Easy Wipe Compound

One of the most popular additives is our Easy Wipe Compound. More and more etchers are learning what it means to have complete control over the distribution and the wiping of etching inks with the use of this material. Easy Wipe Compound is essentially a tack reducer which does not affect the color or light fastness of an ink. Unlike Burnt Plate Oils, it will not materially affect the body of the ink, but allows for great ease in wiping the plate with even the stiffest of inks

## Tint Base Extender

Tint Base Extender is just what the name implies - a product which extends the volume of ink, while creating a tint of the original color. It may slightly transparentize the ink, and despite the appearance in the can or on the ink slab, it actually has no color of its own.

## Etching Base

Etching Base is a reasonably opaque material used to create your own custom colors or to modify existing inks while maintaining opacity. It is particularly suited to the addition of dry or flushed pigments to create an opaque etching ink.

## Graphic Gelled Medium

Graphic Gelled Medium is a tack reducer that will also reduce the body of an ink as well. Like Easy Wipe, it is used in moderation, roughly 1 part of the Gelled Medium to 15 parts of ink. It is useful in litho and relief printing techniques as well - a real miracle.

## Transparent White

Transparent White is one of the newest ink conditioners. It is more an ink than a conditioner, but is frequently used to make an ink more transparent. Numerous artists have requested this addition to our line.

## Flash Oil

Flash Oil is a clear additive that will also reduce the tack without affecting the color of the ink. It is used exceedingly sparingly, and will, when dry, allow the ink to return to its original composition.

## Anti-Skin Spray

Anti-Skin Spray is an aerosol spray of light oil used to protect the surface of ink in a container from oxidation, therefore almost eliminating skinning. Used in moderation this is a useful tool for any studio.

## Eugenol

Eugenol (oil of clove) is used to retard drying time and should be used sparingly.

## Oil of Wintergreen

Oil of Wintergreen makes transfers in a simple direct process. Gloves and good ventilation are suggested as the odor is very strong and essential oils can irritate the skin, eyes and mucus membranes.

## Cobalt Drier

Cobalt Drier is an additive that is used to hasten drying time. Generally speaking it will cause an ink to dry from the outside in, and should be used in extreme moderation. 1-2 drops is usually more than sufficient to achieve the desired result.

## Japan Drier

Japan Drier like the Cobalt Drier should be used sparingly. Unlike the cobalt, Japan Drier tends to dry from the inside out. It is available on special order currently.

		1/4 lb	1 lb	1 lb					
	Suffix:	Tube	Cartridge	Can					
		A	B	C					
2353	Easy Wipe Compound	4.85	10.00	9.70					
1911	Tint Base Extender	5.20	10.70	10.40	13430	#0000	Light	Pint	4.85
889	Etching Base	5.20	10.70	10.40	13433	#0000		Quart	8.10
13428	Graphic Gelled Medium, per pound			10.35	13436	#0000		Gallon	28.50
2410	Transparent White	10.05	19.40	20.10	13420	# 00		Pint	4.15
					13423	# 00		Quart	6.80
11240	470 Flash Oil	Pint		3.30	13426	# 00		Gallon	24.40
11243	470 Flash Oil	Quart		5.65	13360	# 1		Pint	4.15
11246	470 Flash Oil	Gallon		11.85	13363	# 1		Quart	6.80
10050	Anti Skin Spray ***	Pint		11.80	13366	# 1		Gallon	24.40
	*** may not ship by air				13370	# 2		Pint	4.15
11220	Eugenol (Oil of Clove)	2 oz bottle		8.50	13373	# 2		Quart	6.80
11230	Methyl Salicylate (Oil of Wintergreen)	Pint		9.75	13376	# 2		Gallon	24.40
20133	Dullit	Quart		3.95	13380	# 3	Medium	Pint	4.15
20136	Dullit	Gallon		13.15	13383	# 3		Quart	6.80
					13386	# 3		Gallon	24.40
30910	Magnesium Carbonate	Pound		4.00	13390	# 5		Pint	4.25
30205	Calcium Carbonate	Pound		3.00	13393	# 5		Quart	7.10
					13396	# 5		Gallon	25.30
13570	Cobalt Drier	Pint		10.20	13400	# 7		Pint	5.40
13573	Cobalt Drier	Quart		19.40	13403	# 7		Quart	8.25
13576	Cobalt Drier	Gallon		72.00	13406	# 7		Gallon	27.40
13578	Japan Drier	Pint		5.50	13410	# 8	Heavy	Pint	7.95
13577	Japan Drier	Quart		10.50	13413	# 8		Quart	13.00
13579	Japan Drier	Gallon		40.00	13416	# 8		Gallon	45.10

Spring 2007

Prices subject to change without notice.

# PLATES

Only in the area of inks can Graphic claim to do a better job than it does with the plates used for etching. We carry only the finest in copper, zinc, steel and plastic plates.

When a larger edition is planned, we recommend copper plates. While copper is more expensive than the alternatives, it holds up beautifully. We offer the more traditional Engravers Copper Plates which are polished to a matte finish and coated with an acid resistant back coating. We also offer Economy Copper Plates in both 16 gauge (.064") and 18 gauge (.050"). The economy plates are not as highly polished, can have some minor surface flaws and are not back coated. They offer a considerable savings for smaller editions, or when the bottom line is critical. Graphic offers the most comprehensive selection of Zinc Plates available anywhere. The standard plate is a 16 gauge (.064") plate that is both polished and back coated. When it comes to zinc plates, Graphic offers more full sized sheets than anyone else as well as a wide selection of standard size cut plates.

## ZINC

### ZINC PLATES - 16 GAUGE (.064") (Backcoated and polished)

	1 - 9	10-49	50-99	100+
12450 2 x 3"	0.83	0.75	0.73	0.71
12451 3 x 4"	1.54	1.39	1.36	1.31
12452 3 x 5"	1.95	1.76	1.72	1.66
12453 4 x 5"	2.48	2.23	2.18	2.11
12454 4 x 6"	3.02	2.72	2.66	2.57
12455 4.5 x 6"	3.43	3.09	3.02	2.92
12456 5 x 7"	5.09	4.58	4.48	4.33
12457 5.5 x 7"	5.15	4.64	4.53	4.38
12458 5 x 8"	5.25	4.73	4.62	4.46
12459 6 x 8"	6.03	5.43	5.31	5.13
12460 6 x 9"	6.56	5.90	5.77	5.58
12461 7 x 11"	9.40	8.46	8.27	7.99
12462 8 x 10"	9.76	8.78	8.59	8.30
12463 9 x 12"	11.88	10.69	10.45	10.10
12464 10 x 12"	17.46	15.71	15.36	14.84
12465 10 x 14"	17.60	15.84	15.49	14.96
12466 11 x 14"	17.75	15.98	15.62	15.09
12467 12 x 16"	20.46	18.41	18.00	17.39
12468 12 x 18"	22.94	20.65	20.19	19.50
12479 Cut to Size	0.24 per square inch			

### ZINC PLATES - 16 GAUGE (.064") - FULL SHEET (Backcoated and polished)

	1 - 9 sheets	10 or more
12469 16 x 20"	33.32	28.66
12470 18 x 24"	43.99	37.83
12471 20 x 24"	58.89	50.65
12472 20 x 28"	69.27	59.57
12473 22 x 28"	70.05	60.24
12474 18 x 36"	66.75	57.41
12476 24 x 36"	89.92	77.33

We will cut any full sheet to your specification at no additional charge. Cuts must be straight and allow a 1/8" variance. Non-stock sized small plates are priced using the per square inch price. We do not cut the small, standard sized plates.

### ZINC PLATES - 16 GAUGE (.064") - FULL CASE (Backcoated and polished)

	Case per sheet	Full Case Size	Full Case Price
12469C 16 x 20"	23.32	25	583.10
12470C 18 x 24"	30.78	30	923.50
12472C 20 x 28"	48.49	25	1212.25
12473C 22 x 28"	49.03	25	1225.85
12476C 24 x 36"	62.94	15	944.15

## Steel, Plastic, Claybord & Aluminum

### STEEL ENGRAVERS PLATES - 18 GAUGE (.050")

	1 - 9	10-24	25+
12610 4.5 X 6"	0.92	0.84	0.81
12620 6 X 9"	1.83	1.67	1.61
12630 9 X 12"	3.65	3.32	3.21
12640 12 X 18"	7.32	6.66	6.44
12650 18 X 24"	14.82	13.49	13.04
12690 Cut to Size	0.06 per square inch		

### PLASTIC PLATES (.050")

11760 3 x 4"	Each	0.35
11761 4 x 5"	Each	0.56
11762 4 x 6"	Each	0.65
11763 5 x 7"	Each	0.96
11764 8 x 10"	Each	2.18
11765 10 x 16"	Each	4.24
11766 16 x 21"	Each	8.73
11767 21 x 25 1/2"	Each	14.66
11779 Cut to Size, per square inch		0.07
11768 3 x 4"	Dozen	3.84
11771 4 x 5"	Dozen	6.17
11772 4 x 6"	Dozen	7.19
11773 5 x 7"	Dozen	10.48
11774 8 x 10"	Dozen	24.01
11769 10 x 16"	Dozen	46.65
11776 16 x 21"	Dozen	96.05
11777 21 x 25 1/2"	Dozen	161.23

### CLAYBORD ORIGINAL

CBS05 5 x 7"	2.55
CBS08 8 x 10"	5.80
CBS09 9 x 12"	7.90
CBS11 11 x 14"	8.90
CBS12 12 x 16"	11.25
CBS14 14 x 18"	12.60
CBS16 16 x 20"	16.25
CBS18 18 x 24"	18.90
CBS24 24 x 36"	31.00
CBGUIDE Printmaking With Claybord Guide	1.00

### BALL GRAINED ALUMINUM MONOTYPE PLATES - 0.015"

34306 6 x 9"	4.40
34308 9 x 12"	6.60
34309 12 x 18"	9.90
34311 18 x 24"	14.30
34313 24 x 36"	26.40

# Copper

Engraver's Copper is the traditional polished copper plate with a back coating of acid resistant paint. Economy copper is unpolished and lacks the acid resistant coating. The 18 gauge plates are about 3/4 the thickness of 16 gauge and offer a real bargain.

## ENGRAVERS COPPER - 16 GAUGE (.064")

	1 - 9	10-49	50+
13665 2 x 3"	1.84	1.79	1.75
13666 3 X 4"	3.67	3.56	3.49
13667 3 X 5"	3.98	3.86	3.79
13668 4 X 5"	5.34	5.19	5.08
13669 4 X 6"	6.38	6.19	6.07
13670 5 X 7"	9.34	9.07	8.89
13671 5 X 8"	10.16	9.87	9.67
13672 6 X 8"	12.20	11.85	11.61
13673 6 X 9"	13.72	13.32	13.06
13674 8 X 10"	20.67	20.07	19.68
13675 9 X 12"	29.34	28.49	27.93
13676 12 X 18"	56.71	55.07	53.99
13679 Cut to Size	0.35 per square inch		

## ENGRAVERS COPPER - 16 GAUGE (.064") - FULL SHEET

	1 - 9 sheets	10 or more	50+
13681 16 X 20"	94.05	91.32	89.54
13677 18 X 24"	108.00	104.87	102.82
13678 24 X 36"	203.50	197.60	193.73

## ENGRAVERS COPPER - 16 GAUGE (.064") - FULL CASE

	Case per sheet	Full Case Size	Full Case Price
13681C 16 X 20"	84.70	20	1540.00
13677C 18 X 24"	101.70	25	2542.38
13678C 24 X 36"	191.40	10	1914.00

## COPPER CIRCLES - 18 GAUGE (.051")

Unpolished and not back coated.

	Each
13640 3"	2.59
13642 4"	4.57
13644 6"	8.25
13646 8"	11.55
13648 10"	17.93
13649 12"	26.24

## PLATE CLEANERS & POLISHERS

13520 Charcoal Block, willow 4.25 x 1.5 x 1"	4.35
13530 Charcoal Block, willow 4.25 x 1.5 x 3"	13.10
11850 Putz Pomade, paste, per can	13.45
11900 Rolite Polishing Paste, per 1 pound can	19.90
11905 Rolite Polishing Paste, per 3 oz tube	6.75
11970 Scotch Brite Polishing Pads	2.00
12430 Whiting, 1 pound can	2.50
12435 Whiting, 5 pound can	10.50
31085 Scotch Stones - 1/4"	6.50
31086 Scotch Stones - 1/8"	6.50
13515 De-scumming/Developer Pad	4.50

## ECONOMY COPPER - 16 GAUGE (.064")

	1 - 9	10-49	50+
11145 2 x 3"	0.96	0.94	0.92
11146 3 X 4"	1.92	1.88	1.84
11147 3 X 5"	2.40	2.35	2.30
11148 4 X 5"	3.20	3.14	3.07
11149 4 X 6"	3.84	3.76	3.69
11150 5 X 7"	5.60	5.49	5.38
11151 5 X 8"	6.40	6.27	6.14
11152 6 X 8"	7.68	7.53	7.37
11153 6 X 9"	8.64	8.47	8.29
11154 8 X 10"	12.81	12.55	12.30
11155 9 X 12"	17.29	16.94	16.60
11156 12 X 18"	34.58	33.89	33.20
11157 18 X 24"	69.15	67.77	66.38
11158 24 X 36"	138.31	135.54	132.78
11159 36 X 48"	276.62	271.09	265.56
11140 Cut to Size	0.21 per square inch		

## ECONOMY COPPER - 18 GAUGE (.050")

	1 - 9	10-49	50+
11160 2 x 3"	0.81	0.79	0.78
11161 3 X 4"	1.63	1.60	1.56
11162 3 X 5"	2.04	2.00	1.96
11163 4 X 5"	2.72	2.67	2.61
11164 4 X 6"	3.26	3.19	3.13
11165 5 X 7"	4.75	4.66	4.56
11166 5 X 8"	5.43	5.32	5.21
11167 6 X 8"	6.52	6.39	6.26
11168 6 X 9"	7.33	7.18	7.04
11169 8 X 10"	10.87	10.65	10.44
11170 9 X 12"	14.67	14.38	14.08
11171 12 X 18"	29.34	28.75	28.17
11172 18 X 24"	58.68	57.51	56.33
11173 24 X 36"	117.35	115.00	112.66
11174 36 X 48"	234.71	230.02	225.32
11180 Cut to Size	0.17 per square inch		

## PRE-MEZZOTINTED COPPER PLATES

Machine rocked and not back coated. They allow the skipping of the tedious hand rocking and proceeding directly to the printmaking process.

	Each
11781 50 x 60 mm (approximately 2 x 2.5")	8.80
11782 60 x 100 mm (approximately 2.5 x 4")	15.60
11783 100 x120 mm (approximately 4 x 4.75")	29.95
11780 100 x150 mm (approximately 4 x 6")	39.95
11785 150 x200 mm (approximately 6 x 8")	76.45



# PHOTO-SENSITIVE PLATES & FILMS

We also offer a considerable selection of presensitized zinc, copper and steel plates. We carry Positive Working Copper, Zinc and Steel plates which many people feel are the best available. These plates result in extremely fine resolution, excellent shallow etch performance and easy photo resist removal after etching. A large benefit to these plates is the use of Positive Plate Developer in place of solvent developers.

## POS-E PRESENSITIZED COPPER 16 GAUGE (.064")

used with a film negative

	1 - 9	10-49	50-99	100+
11592 4 X 5" .....	5.49	5.33	5.23	5.09
11593 5 X 8" .....	10.97	10.65	10.44	10.18
11594 8 X 10" .....	21.94	21.30	20.89	20.36
11595 10 X 16" .....	43.89	42.62	41.78	40.73
11596 16 X 20" .....	87.78	85.23	83.57	81.46
11597 Cut to Size .....			0.31 per square inch	

## POS-E PRESENSITIZED ZINC 16 GAUGE (.064")

used with a film negative

	1 - 9	10-49	50-99	100+
11549 5 X 6 .....	4.33	4.20	4.12	4.02
11551 6 X 10 .....	8.67	8.42	8.25	8.05
11553 10 X 12 .....	17.34	16.84	16.51	16.09
11555 12 X 20 .....	34.68	33.67	33.02	32.18
11557 20 X 24 .....	69.35	67.34	66.02	64.36
11559 Cut to Size .....			0.25 per square inch	

## POSITIVE WORKING PRESENSITIZED STEEL

18 GAUGE (.050") used with a film negative

	1 - 5	6+
12615 4.5 X 6" .....	3.67	3.09
12625 6 X 9" .....	7.35	6.18
12635 9 X 12" .....	12.30	10.34
12645 12 X 18" .....	22.39	18.82
12655 18 X 24" .....	44.77	37.63
12695 Cut to Size .....		0.14 per square inch

## POSITIVE PLATE DEVELOPER for either copper, zinc or steel listed above

14657 Positive Plate Developer, pint *** .....	5.00
14658 Positive Plate Developer, quart *** .....	9.00
14659 Positive Plate Developer, gallon (HM) .....	35.00

Positive Plate Developer is in concentrated form and is used at a dilution of 6 to 1.

Please Note: As of January, 2007, UPS charges a \$20.00 fee per carton containing any hazardous material in addition to the shipping charges. Hazards cannot ship by air nor can different hazards ship together.

## HYDRO-COAT Presensitized Zinc 16 GAUGE (.064")

used with a film positive, its own water-based developer.

	1 - 9	10-49	50-99	100+
14810 6 x 9" .....	6.73	6.46	6.13	5.99
14820 9 x 12" .....	13.47	12.93	12.26	11.99
14830 12 x 18" .....	26.95	25.87	24.52	23.98
14840 18 x 24" .....	53.89	51.74	49.04	47.96
14850 24 x 36" .....	102.76	98.65	93.51	91.46
14860 Cut to size, per square inch .....				0.23

14700 Hydro-Coat Developer, pint .....	4.00
14703 Hydro-Coat Developer, quart .....	7.95
14706 Hydro-Coat Developer, gallon .....	15.90

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no title

11330 21 Step Gray Scale .....	9.90
13515 De-scumming/Developer Pad .....	4.50
GE500 GE500 Solvent/Cleaner - 1 gal .....	12.30
GE505 GE500 Solvent/Cleaner - 5 gal .....	53.75

GE500 removes the topping from the Positive Coated Metals. It should be diluted with 1 part water to 1 part GE500.

# PHOTO-SENSITIVE PLATES & FILMS

ImagOn Ultra Rapid is still used for all photo-generated imagery, from high quality halftones to computer generated images. Even simple photocopies can achieve the highest quality photo-intaglio print. It's as easy as 1 - laminate the film to the plate, 2 - expose, 3 - develop and you're ready to etch. Sodium Carbonate (Soda Ash) is used as a developer. Ask customer service for the detailed instruction sheets.

ImagOn SUPPLIES	Uses a positive image		
12712	ImagOn Ultra Rapid Film	12" x 10 foot roll	21.60
12714	ImagOn Ultra Rapid Film	24" x 10 foot roll	42.00
12715	ImagOn Ultra Rapid Film	24" x 50 foot roll	190.00
12713	ImagOn Ultra Rapid Film Processing Guide		N/C
70580	Keith Howard Non-toxic Instruction Video		31.00
70500	Contemporary Printmaker - Keith Howard Book		48.00
12760	Sodium Carbonate (Soda Ash) lb		2.85
12765	Sodium Carbonate (Soda Ash) 5 lb		10.75

Along with Ultra ImagOn, we have Aquatint Screens which provide the dot pattern for all hand drawn imagery. The screens, if treated properly, will last for years. They are a random dot pattern and therefore has no specific DPI. They are much better and less expensive than the alternative mechanical dot systems and are designed specifically for the ImagOn processes.

12720	Aquatint Screen	20" x 24"	128.00
12730	Aquatint Screen	35" x 42"	220.00

## LAZERTRAN TRANSFER PAPER

A fantastic transfer paper designed to pass through color copiers. It allows the transfer of your own designs, photos or images onto almost any surface.

11790	Lazertran Original	8 1/2 x 11"	10 sheet pack	20.00
11795	Lazertran Original	11 x 17"	10 sheet pack	35.00
11796	Lazertran Silk	11 x 17"	10 sheet pack	20.00
11797	Lazertran Inkjet	8 1/2 x 11"	10 sheet pack	20.00
11798	Lazertran Inkjet	11 x 17"	10 sheet pack	35.00
11792	Lazertran Textile(Light Cloth)	8 1/2 x 11"	10 sheet pack	20.00
11793	Lazertran Textile(Dark Cloth)	8 1/2 x 11"	10 sheet pack	20.00
70570	Lazertran Workshop Video			15.00

Solarplate is a light sensitized, steel backed photopolymer material used as a non-toxic alternative to traditional printmaking techniques. It does not use grounds, acids or solvents and is exposed with UV light (sunlight to sophisticated lighting systems) and developed with tap water. The plates are steel-backed and may be used on a magnetic surface to secure while inking.

SOLARPLATE	Copper	1 - 9	10-19	20+
12805	5 X 7"	8.27	7.69	7.11
12817	8 X 10"	16.96	15.77	14.59
12825	9 X 12"	24.49	22.77	21.06
12827	12 X 16"	39.50	38.00	32.50
12835	16 X 20"	53.00	49.29	45.58
12845	18 X 24" Special Order	80.00	75.00	73.00
12890	Solarplate Compact Exposure Box			325.00
	Accommodates up to 9 x 12" Solarplate			
12891	Solarplate Aquatint Screen	5 x 7"		10.00
12892	Solarplate Aquatint Screen	8 x 10"		20.00
12893	Solarplate Aquatint Screen	9 x 12"		25.00
12894	Solarplate Aquatint Screen	12 x 16"		40.00
12895	Solarplate Aquatint Screen	16 x 20"		55.00
12896	Solarplate Aquatint Screen	21 x 29"		125.00
12897	Solarplate Aquatint Screen	29 x 42"		245.00
70260	Printmaking in the Sun Book			29.95
70745	Intaglio - Complete Safety First System for Creative Printmaking			40.00
	Adam & Robertson			

Photopolymer Plates are very easy to expose and they etch with water! The ability to work safely makes these plates very popular with printmakers. If you would like an instruction sheet, please ask when ordering.

PHOTOPOLYMER PLATES - a Positive Plate		1 - 4	5 - 9	10+
	.033" used with a positive image			
12581	8 1/4 X 11 3/4"	16.50	16.17	15.84
12583	11 3/4 X 16 1/2"	33.00	32.34	31.68
12585	16 1/2 X 23 3/8"	66.00	64.68	63.36
12587	23 3/8 X 33"	132.00	129.36	126.72

dscn0404  
no title

dscn0402  
no title

## GROUNDS & STOP OUTS

When this catalog was first written in 1920, it began "Grounds give the average etcher more problems than almost any other phase of his work." In the over 85 years that have followed, little has changed in the vexations that plague printmakers. A ground that breaks down in the acid bath is worse than useless and one that chips when one line crosses another is almost as bad, necessitating considerable extra work on the part of the artist. Graphic continues to urge printmakers to take a lesson from the commercial engraver and use our **Universal Etching Ground**.

A liquid ground is more easily applied and removed, eliminating the need for smoking plates. Due to its relative transparency, Universal Etching Ground leaves the subject in full view at all times. This ground can be thinned or removed with Naphtha. Like the Universal Etching Ground, our **Graphic Ball Grounds** will not break down in the acid bath, are remarkably free from chipping and are available in Hard and Soft, Transparent and Opaque formulas.

With the popularity of Aquatints in recent years, no discussion of grounds could be complete without the mention of **Powdered** or **Lump Rosin**. Graphic Chemical has provided the finest quality rosin for years. Rosin, of course, can be removed from a plate with the help of **Graphic Stop Out Varnish Remover** or denatured alcohol. Many printmakers have chosen to substitute **Powdered** or **Lump Asphaltum**.

The **Z\*Acryl Etching System** is a line of integrated materials developed specifically for printmakers. It is completely water soluble and non-toxic, eliminating the need for solvents, specialized ventilation and disposal systems. **Z\*Acryl Hard Ground** is a water soluble acrylic polymer solution that resists the typical etches used. It is designed to be flow coated onto zinc or copper where it's self-leveling and film-forming properties create a smooth, uniform ground. The **Z\*Acryl Stop Out Resist** is a thicker version of the hard ground, which allows it to be applied to specific areas without spreading.

### STOP-OUT VARNISH

Over the years, etchers have used many products in the stopping out process.

While asphaltum and liquid ground have gained some popularity, most printmakers agree with our assessment that a fast drying, safe varnish is better. With that in mind, we suggest **Graphic Stop Out Varnish**. Our Stop Out Varnish is formulated so that you get an immediate dry that will not break down with repeated acid immersions. Its transparent red color enables you to see easily which parts of the image have already been stopped out.

In his book, **The Art of Etching**, Lumsden writes of the use of stop out  
"The whole of the drawing may be completed, as far as he can see his way clear to carry it, before any biting is done.

Any mistakes he has made must then be carefully painted out with stopping-out varnish and the back covered also. The plate is then bodily submerged in the mordant and left for just so long as he judges necessary for the most delicate lines in the design to be bitten and then removed, washed and dried with blotting paper. The plate should have been previously treated with acetic acid as already described.

The delicate lines are then painted out; the plate replaced and left long enough for the second lightest lines to etch; removed again; stopped-out and so on until the strongest lines of all alone remain.

When these are being finished, there is often a danger of the ground giving way and the lines coalescing and if this happens the work must be stopped; otherwise, the mordant will merely lower the whole surface and what is called a creve will be formed. The longer the biting is continued after this occurs, the more the already bitten grooves are reduced to one (a lower) level and the less ink will be held in printing.

Therefore, when the ground begins to break up, cease biting at once."

### ASPHALTUM

Our **Senefelder's Liquid Asphaltum** is primarily used for the preservation of plates from corrosion, rusting and scratching. It dries to a hard surface. With today's techniques, asphaltum is frequently used as a ground, a stop out varnish and even as a coating for the backs of plates prior to immersing in an acid bath. The asphaltum used for these etching purposes is the same liquid asphaltum used by lithographers in their work. We also carry **Lump and Powdered Asphaltum**.

## GRAPHIC CHEMICAL & INK CO.

Telephone (800) 465-7382 Fax (630) 832-6064 [www.graphicchemical.com](http://www.graphicchemical.com)

# GROUNDS & STOP OUTS

12390	Universal Etching Ground ***	Hard	per pint	5.00
12393	Universal Etching Ground ***	Hard	per quart	8.75
12396	Universal Etching Ground (HM)	Hard	per gallon	23.50
12400	Universal Etching Ground ***	Soft	per pint	5.00
12403	Universal Etching Ground ***	Soft	per quart	8.75
12406	Universal Etching Ground (HM)	Soft	per gallon	23.50
11260	Graphic Ball Ground	Hard Opaque, each		1.90
11288	Graphic Ball Ground	Soft Opaque, each		1.90
11270	Graphic Ball Ground	Hard Trans., each		1.85
11290	Graphic Ball Ground	Soft Trans., each		1.85
11293	Graphic Ball Ground	Ex Soft Opaque, 2 oz		3.00
11295	Graphic Ball Ground	Ex Soft Opaque, 4 oz		5.15
102401	Z*Acryl Hard Ground Emulsion		24 oz	15.15
100801	Z*Acryl Stop Out Resist		8 oz	8.65
11300	Graphic Stop Out Varnish ***		per pint	7.45
11303	Graphic Stop Out Varnish ***		per quart	12.00
11306	Graphic Stop Out Varnish (HM)		per gallon	32.50
11310	Graphic Stop Out Varnish Remover (HM)		per pint	4.60
11313	Graphic Stop Out Varnish Remover (HM)		per quart	8.10
11316	Graphic Stop Out Varnish Remover (HM)		per gallon	20.10
12040	Senefelder's Liquid Asphaltum		per pint	7.00
12043	Senefelder's Liquid Asphaltum		per quart	11.90
12046	Senefelder's Liquid Asphaltum		per gallon	38.90
11920	Rosin, fine powdered		per pound	8.10
11925	Rosin, fine powdered		per 5 pound	34.50
11910	Rosin, lump		per pound	4.50
11915	Rosin, lump		per 5 pound	19.75
10151	Asphaltum, powdered		per pound	2.70
10155	Asphaltum, powdered		per 5 pound	11.60
10141	Asphaltum, lump		per pound	2.70
10145	Asphaltum, lump		per 5 pound	11.60
32200	LithoCoal Powder		200 gram can	14.85

## Charbonnel Etching Grounds & Varnish

81178	Hard Black Ground	Ball		5.30
81278	Lamour Blk Satin Varnish	250 ml		10.00
81277	Lamour Blk Satin Varnish	75 ml		4.40
81289	Lamour Hard Black Ground	Ball		5.20
81290	Lamour Soft Black Ground	20 ml jar		7.00
81175	Roller Engraver Ground	40 gr		13.50
81179	Soft Black Ground	Ball		6.70
81167	Ultraflex Varnish	500 ml		23.15
82174	Ultraflex Varnish	75 ml		6.25
81176	Rebiting Roller Ground	40 gr		13.95
81281	Lamour Black Covering Varnish	250 ml		12.15
81280	Lamour Black Covering Varnish	75 ml		5.65
81120	Light Oil	500 ml		10.00

## Lascaux Resists

42090	Hard Resist	500 ml		27.90
42091	Plate Backing Resist	500 ml		27.90
42093	Soft Resist	500 ml		27.90

See page 16 for additional Lascaux Products

# SOLVENTS

13780	Denatured Alcohol (HM)	Gallon	12.70
13785	Denatured Alcohol (HM)	5 gallon	62.65
11340	Gum Turpentine (HM)	Gallon	15.65
11530	Lacquer Thinner (HM)	Gallon	14.00
11535	Lacquer Thinner (HM)	5 gallon	65.00
MS567	Lithotone (HM)	Gallon	21.90
MS5675	Lithotone (HM)	5 gallon	114.00
11660	Mineral Spirits (HM)	Gallon	11.35
11665	Mineral Spirits (HM)	5 gallon	54.55
11680	Naphtha, V, M & P (HM)	Gallon	9.55
11685	Naphtha, V, M & P (HM)	5 gallon	45.50
12410	Universal Water Based Solvent	Gallon	30.50
12415	SOYsolvII	Quart	13.60
GE500	GE500 Solvent/Cleaner (HM)	Gallon	12.30
GE505	GE500 Solvent/Cleaner (HM)	5 gallon	53.75

dscn0130  
Lascaux Acrylic Resist Etching System

Please Note: As of January, 2007, UPS charges a \$20.00 fee per carton containing any hazardous material in addition to the shipping charges. Hazards cannot ship by air nor can different hazards ship together.

\*\*\* These products are classified as ORM-D by DOT and may not ship by air.

# Lascaux Acrylic-Resist Etching (ARE)

The Swiss company Lascaux has collaborated with printmakers Robert Adam and Carol Robertson to develop a complete range of safe acid-resists. These reliable new acrylic resists are comprised of a unique range of innovative ready-to-use water-soluble painting materials designed for creating positives for light-sensitive printmaking processes. The positives can be used with water-based screenprinting, acrylic-resist etching, solar plate printing and traditional printmaking methods.

The ready to use tusches are for opaque autographic (hand made) marks on printmaking positives. Images can be painted on smooth pvc sheets or grained substrates. The tusches can also be used to enhance and alter images on photographic, digital or photocopy positives.

Each tusche has its own distinctive performance and all have excellent handling qualities. Their characteristics vary from fluid, fast-drying and waterproof to viscous, slow-drying and re-wettable. They offer a wide variety of possibilities, including delicate drawings, lithographic-type washes, sugar-lift effects, soft-ground effects, airbrushed marks, application by roller, offsetting and pattern making. These may be used as or diluted with tusche diluting liquid, water or tannin mixtures.

Tusche Wash has handling qualities similar to ink and may be diluted to make graduated washes typical of stone litho. By scratching into the dry marks, delicate non-printing lines may be created.

Tusche Wash Spray may be sprayed from a simple airbrush and is required if Lascaux Lift Solution is to be used. Other airbrush techniques can be employed and tonal effects similar to aquatints in etching can be created. It can also be used for painting washes and handles like Chinese ink. When diluted it creates a further range of washes.

Tusche Waterproof is a fast drying, waterproof, scuff resistant, semi-viscous tusche with homogenous covering power and is useful for a broad range of painted marks. The diluted tusche dries to resemble toad-skin washes usually found in zinc-plate lithography.

Tusche water-soluble can be painted in a smooth even layer which can be scratched away to create delicate non-printing lines. The diluted tusche dries to create granular washes. Dry marks can be re-wet and altered if required.

Tusche soft-Ground Effect has been designed to produce effects similar to soft ground in traditional etching. Using this method, soft, non-printing drawings may be made and impressions may be taken. The tusche can also be used for a broad range of painted applications. The diluted tusche dries to create granular washes. Dry marks can be re-wet and altered.

Tusche Diluting Liquid for diluting Lascaux tusches to alter their handling characteristics or to create delicate washes on positives.

Lift Solution is used in conjunction with Lascaux Aquatint resist or Lascaux Tusche wash/spray. The method is similar to sugar-lift in traditional etching, and the marks made resemble classic sugar-lift marks. When the solution is used to make an autographic positive, the painted marks will be non-printing and the sprayed tusche background will print.

Plate-backing resist to protect the metal from the action of the mordant.

Hard Resist is applied to the etching plate by brush. When it is dry it is highly acid-resistant. It has a soft, waxy feel, allowing the needle to glide. It may be used on copper, zinc and steel.

Coloured Coatings have been designed to be used in conjunction with the hard resist. The layer of dry, hard resist is coated with a coloured coating so that the drawing is highly visible. The black coating is analogous to the traditional practice of smoking hard ground, and the white to traditional lead white ground.

Wash Resist should be used in combination with the Aquatint/spray resist. This unique resist is painted on etching plates to create washes and tonal effects. They are particularly effective on brass and copper.

Aquatint Spray Resist is used to create controllable tonal effects. The effects are comparable to traditional aquatint methods.

## Lascaux Supplies

### Water-based Intaglio Products

42090	Hard Resist	500 ml	27.90
42091	Plate Backing Resist	500 ml	27.90
42092	Stop Out	500 ml	27.90
42093	Soft Resist	500 ml	27.90
42094	Wash Resist	500 ml	23.60
42095	Aquatint Spray Resist	500 ml	27.30
42096	Black Coating for Hard Resist	500 ml	23.60
42097	White Coating for Hard Resist	500 ml	23.60
42098	Remover	500 ml	18.75
43991	Set of Acrylic Resist Etch 1 each 85 ml - Hard Resist, Plate Backing Resist, Stop-out Resist, Soft Resist, Wash Resist, Aquatint Spray Resist, Black Coating for Hard Resist, White Coating for Hard Resist and Remover	Set of 8	66.70

### Products designed for light-sensitive processes

418020	Tusche Wash	500 ml	26.20
418021	Tusche Wash/Spray	500 ml	26.20
418022	Waterproof Tusche	500 ml	26.20
418023	Water Soluble Tusche	500 ml	26.20
418024	Tusche Soft Ground Effect	500 ml	26.20
418035	Lift Solution	500 ml	22.15
418040	Tusche Diluting Liquid	500 ml	26.20
43990	Set of Tusches (6) 1 each 85 ml - Tusche Wash, Tusche Wash/Spray, Waterproof Tusche, Water Soluble Tusche, Tusche Soft Ground Effect & Tusche Diluting Liquid	Set of 6	39.35
LASCAUX	Brochure		N/C
70745	Intaglio - Complete Safety First System for Creative Printmaking Adam & Robertson		40.00

# ACIDS and MORDANTS

## Copper Etching Solutions

There are many materials used by today's etchers to bite plates. We continue to recommend the use of Copper Etching Solution as the safest of the mordants. Copper Etching Solution is known by many names, including Ferric Chloride, Iron Chloride and Iron Perchloride. No matter what the name, the solution is a relatively safe, neutral material that is used full strength, directly from the container. The name can be misleading as Copper Etching Solution is equally suitable for etching your zinc or steel plate

Used solution may be "beefed up" by adding ferric chloride crystals, a spoon at a time, until no more will dissolve. Copper Etch which has been used on copper must be stored separately from Copper Etch used to etch zinc. The spent solution may not be used interchangeably. Do not use Copper Etch in aluminum trays.

We also have a Tech Grade Copper Etching Solution. It is slightly less pure than the photo-engraver grade of our regular solution. This should not affect the etch but the solution tends to weaken more quickly than the photo-engraver grade. Both grades are 42 Baume.

## Dutch Mordant

Dutch Mordant is another material which has been used in biting Copper plates. Due to the hazardous nature of the material, Graphic Chemical has for many years recommended against the use of this material. Dutch Mordant gives off a chlorine gas fume which can be very dangerous to your health. It should be used only in a well ventilated studio, preferably in an appropriate fume hood. Because of the volatility of this product, Graphic Chemical stopped selling Dutch Mordant in the late 1980's.

## Nitric Acid

Nitric Acid is one of the hottest of all acids currently used in etching. Like Dutch Mordant, it is extremely dangerous to handle and to use. It also gives off noxious fumes and should be used in extremely well ventilated areas. The product that we sell is chemically pure (CP) and is available in both full and half (1:1) strength in both 1 and 5 pint bottles.

## Acetic Acid

Acetic Acid is one of the least understood mordants we carry. A great number of our customer service issues can be traced back to the fact that many etchers do not recognize the importance of properly cleaning a plate before applying a ground. An alternative to the 28% Acetic Acid which is still not available, one can use White Vinegar to do a final cleaning of the plate before applying a ground.

## Haz Mat Rules

Some of the acids and mordants which we offer to you are subject to the rather arbitrary Hazardous Material charge from D.O.T. on ground packages. Full strength Nitric Acid cannot be shipped by either of these carriers and thus must be shipped by motor freight. Call for a freight charge quote.

13660	Copper Etch Solution ***	per pint .....	3.75
13662	Copper Etch Solution ***	per quart .....	6.80
13664	Copper Etch Solution ***	per gallon .....	19.50
13658	Copper Etch Solution ***	per 4 gallon case .....	68.00
13650	Copper Etch Tech Gr ***	per pint .....	3.75
13652	Copper Etch Tech Gr ***	per quart .....	4.75
13654	Copper Etch Tech Gr ***	per gallon .....	14.00
13656	Copper Etch Tech Gr ***	per 4 gallon case .....	53.00
11370	Hydrochloric Acid ***	per pint .....	9.00
11375	Hydrochloric Acid (HM)	per 5 pint bottle .....	29.80
30320	Citric Acid Powder, 4 oz container	.....	2.30
30325	Citric Acid Powder, 1 lb container	.....	9.00

## EMPTY CONTAINERS

13635	1 pint bottle - glass .....	1.75
13699	5 pint bottle - glass .....	5.00

11720	Nitric Acid (Full Strength) (HM)	per pint ** .....	14.00
11725	Nitric Acid (Full Strength) (HM)	per 5 pint bottle ** .....	30.00

**\*\* FULL STRENGTH NITRIC ACID MUST BE SHIPPED BY TRUCK.  
It CANNOT be shipped by UPS.  
Please ask for shipping charge estimates.**

11730	Nitric Acid (Half Strength) (HM)	per pint .....	8.90
11735	Nitric Acid (Half Strength) (HM)	per 5 pint bottle .....	19.75
11440	Iron Perchloride Crystals ***	per pound .....	2.50
11445	Iron Perchloride Crystals ***	per 5 pounds .....	10.75

Iron Perchloride Crystals (Ferric Chloride) are dissolved in water to make Copper Etching Solution. Use equal amounts by weight of each. i.e. 1 pound of crystals added to 1 pound of water.

Potassium Chlorate Crystals are not currently available

Please Note: As of January, 2007, UPS charges a \$20.00 fee per carton containing any hazardous material in addition to the shipping charges. Hazards cannot ship by air nor can different hazards ship together.

Half Strength Nitric Acid (one part acid to one part water) may be converted to any ratio based on the following:

Desired Ratio	Parts of Water
3:1	1.00
4:1	1.50
5:1	2.00
6:1	2.50
7:1	3.00
8:1	3.50
9:1	4.00
10:1	4.50
11:1	5.00
12:1	5.50

For example - to convert 1 pint (16 oz) of 1:1 Nitric to a 4:1 ratio, add one pint of nitric to 1.5 pints (24 oz) of water.

\*\*\* These products are classified as ORM-D by DOT and may not ship by air.

## MEZZOTINT PRODUCTS

Another area of printmaking that has gained a great deal in popularity over the past few years is the Mezzotint. It is unique in that the artist works from dark to light, unlike most other techniques. Generally this is accomplished through the use of a Mezzotint Rocker. In a time consuming effort, the artist rocks the plate (generally copper) with the tool creating a velvety black surface. The image is then developed by burnishing and scraping the surface of the plate to create various shades of grays and whites. Mezzotint Rockers come in a variety of screens (dots per inch) ranging from 45 (coarse) to 100 (fine) and in widths from  $\frac{1}{2}$ " to 6" wide. Many of the rockers which we sell can also be fitted with a set of Rocker Weights to make the job of preparing the plate easier.

Pre-mezzotinted plates are available in five sizes. These plates allow the printmaker to skip the tediousness of rocking a plate by hand and to get to the process of creating the image.

A Roulette can be used in the mezzotint process to roughen areas of the plate. Roulettes, too, come in screens from 45 to 100 and in a variety of shapes and sizes. The Dot Pattern roulette is probably the most popular, particularly for those working in mezzotints. The Irregular Pattern roulette is ideal for less structured areas in the print and the Line Pattern roulette is used more often in non-mezzotint techniques. The standard roulette (#9) has a curved, single shaft and we also carry a straight, double shaft roulette (#10).

### Mezzotint Rockers

**#10 Roulette    #9 Roulette    Irregular Roulette**

## GRAPHIC CHEMICAL & INK CO.

Telephone (800) 465-7382    Fax (630) 832-6064    [www.graphicchemical.com](http://www.graphicchemical.com)

## TOOLS

One of the areas that has changed considerably in our product line over the years is the area of hand tools. We continue to pride ourselves in having the most complete lines of tools available anywhere. We have in stock at any given time tools from Switzerland, Germany, France, Spain, Italy and, of course, the United States.

Printmakers have such a varied demand for tools that it is likely that no one manufacturer can provide every tool, but by stocking from several, Graphic is able to offer an extremely comprehensive line.

## DIAMOND POINTS

There is a great resurgence in the use of Diamond Points among printmakers today. Graphic Chemical offers several different points to fit your needs. Whether for dry point work or simply for marking, no steel point can possibly afford the same freedom and ease of motion to be enjoyed with the use of a diamond tip. Diamonds, however, are peculiar tools! Despite the fact that they are shaped like pens or pencils, if they are held that way, you frequently have disastrous results - the diamond tip, which is relatively small, will snap from its setting. The tool must be held in a vertical position while working. They also should not be used on glass - here again, they will invariably shatter. Our favorite Diamond Point is the Lyons L324-05. It is simply the best diamond that we have seen in years.

## BURINS AND GRAVERS

For the record, there seems to be a disagreement in the past few years over the definition of burins and gravers. Some recognize a difference in the terms, others use the terms interchangeably and still others imply that the term burin indicates the shape of the tool. In the most common usage, the one that comes from the commercial engraving field, a burin is generally considered any tool used in the engraving process that has a bent shank. A graver, conversely, is any tool used in the process that has a straight shank. Either tool can come in square, lozenge or a number of other shapes.

While all our burins and gravers can be purchased individually, we offer a handsome boxed set.

This set includes the following tools with handles:

Square Burins, straight or bent #2, 4, 6, 8, 10, 12

Elliptic Tint Tools #2, 4, 6

Knife Burins #1, 3, 5

Lining Tool 2, 4, 5 line (45 screen)

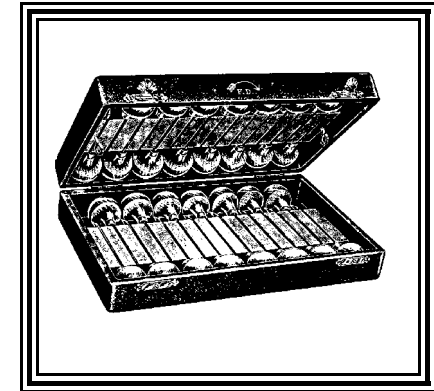
Flat Burin #38, 42, 44, 46 - bent

Chisel Burin #0, 1, 2 - straight

Scorper Burin #53, 55, 58, 60 - bent

Lozenge Burin #4, 6, 8, 10 - straight or bent

Felt lined, slotted carrying case



Dscn0097

**Crocker Graver with  
Burin & Sharpening Stone**

## GRAPHIC CHEMICAL & INK CO.

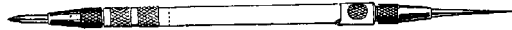
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**STEEL ETCHING POINTS**



**Double End Etching Needle**



**Double End Pin Vise**

**Single End #656 Needle**

**Needle-burnisher**

**BURNISHERS & SCRAPER**



**Straight Burnisher**



**Bent Burnisher**



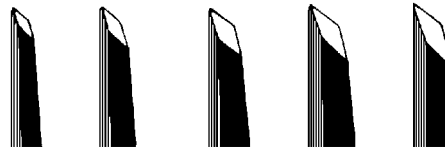
**Hollow Scraper**

**BURINS**



4 6 8 10 12

**Squares**



4 6 8 10 12

**Lozenge**



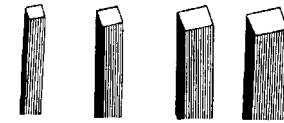
1 3 5

**KNIFE**



2 4 6

**Elliptic Tint Tool**



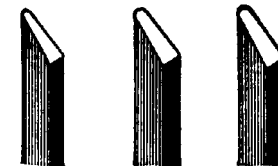
0 1 2 3

**Chisel**



2 4 6

**Lining**



53 57 60

**Scorpers**



38 42 46

**Flats**

**GRAPHIC CHEMICAL & INK CO.**

# TOOLS

10181	Burin, Boxed Set (30 tool assortment).....	320.00			
	See page 13 for description of contents				
	Burin, with wooden handles:				
10195	Chisel, No. 0 .....	8.15			
10191	Chisel, No. 1 .....	8.15			
10192	Chisel, No. 2 .....	8.15			
10193	Chisel, No. 3 .....	8.15			
L301-38	Flat, No. 38 .....	10.50			
L301-42	Flat, No. 42 .....	10.50			
L301-44	Flat, No. 44 .....	10.50			
L301-46	Flat, No. 46 .....	10.50			
10221	Knife, No. 1 .....	9.30			
10223	Knife, No. 3 .....	9.30			
10225	Knife, No. 5 .....	9.30			
10251	Scorper (Round), No. 51 .....	10.10			
10252	Scorper (Round), No. 52 .....	10.10			
10253	Scorper (Round), No. 53 .....	10.10			
10254	Scorper (Round), No. 54 .....	10.10			
10255	Scorper (Round), No. 55 .....	10.10			
10256	Scorper (Round), No. 56 .....	10.10			
10257	Scorper (Round), No. 57 .....	10.10			
10258	Scorper (Round), No. 58 .....	10.10			
10259	Scorper (Round), No. 59 .....	10.10			
10261	Scorper (Round), No. 60 .....	10.10			
	Lozenge and Square Burins may be ordered with a bent or straight shaft.				
10241	Lozenge No. 2 .....	9.05			
10242	Lozenge No. 4 .....	9.05			
10244	Lozenge No. 6 .....	9.05			
10246	Lozenge No. 8 .....	9.05			
10248	Lozenge No. 10 .....	9.05			
10249	Lozenge No. 12 .....	9.05			
10272	Square, No. 2 .....	4.95			
10262	Square, No. 4 .....	4.95			
L325-05	Square, No. 5 .....	7.05			
10264	Square, No. 6 .....	4.95			
L325-07	Square, No. 7 .....	7.05			
10266	Square, No. 8 .....	4.95			
L325-09	Square, No. 9 .....	7.05			
10268	Square, No. 10 .....	9.40			
10269	Square, No. 12 .....	9.40			
20140	Graphic #11 Engraving Tool Set, 6 tools .....	42.45			
12050	Sharpening Jig for Burins .....	9.80			
L320-01	Stippling Tool .....	8.50			
L320-04-2	Lining Tool, 2 line Choose 45 or 85 screen.....	31.60			
L320-04-4	Lining Tool, 4 line Choose 45 or 85 screen.....	31.60			
L320-04-5	Lining Tool, 5 line Choose 45 or 85 screen.....	31.60			
L300-E02	Elliptic Tint Tool, No. 2 .....	15.25			
L300-E04	Elliptic Tint Tool, No. 4 .....	15.25			
L300-E06	Elliptic Tint Tool, No. 6 .....	15.25			
	Sharpening Stones				
12100	India, IB-64, 4" diameter .....	23.35			
12090	India, IB-6, 2"x6"x1" .....	22.65			
10291	Burnisher, Ball Tipped, 1" blade .....	8.00			
13301	Burnisher, Bent, 3" blade .....	7.20			
13310	Burnisher, Fine Bent, 3 1/2" blade .....	8.75			
13330	Burnisher, Slim Jewel, 1 1/2" Blade .....	7.20			
13340	Burnisher, Straight, 3" blade .....	7.20			
13350	Burnisher-Scrapper Combination Made in Germany .....	35.00			
13510	Carbide Tipped Point .....	7.75			
13540	Chasing Hammer .....	36.05			
L330-0	Copper Cutter, draw type .....	16.25			
13840	D/E Pin Vise, #787 (steel & carbide points) .....	19.30			
13500	Replacement Carbide Point for #787 .....	6.30			
13841	Replacement Steel Point for #787 .....	4.40			
13790	Diamond Point for #787 .....	45.60			
14130	Dry Point Tool, with wooden handle .....	5.15			
20140	Engraving Tool Set, Graphic #11 .....	42.45			
	(Assortment of 6 tools)				
13830	Etching Needle, Double End .....	6.20			
12130	Etching Needle, Single End #656 German .....	16.00			
13680	Etching Needle, Cork Handle .....	7.20			
11650	File, Mill Bastard 6" with handle .....	11.35			
11640	File, Mill Bastard 10" with handle .....	14.80			
10281	Handles, Burin .....	1.00			
11350	Hand Vise, with wooden handle .....	10.30			
L335-1	Mezzotint Rockers, 1" - 100 teeth/inch .....	42.35			
11670	Muller, Stainless Steel - 4" diameter .....	118.45			
11690	Needle Burnisher Combination, Bent .....	8.00			
11700	Needle Burnisher Combination, Straight .....	8.00			
10920	Plastic Spatula #123 .....	1.55			
L338	Roulette, Irregular Pattern - egg shaped .....	41.75			
L338-1	Roulette, Irregular Pattern - barrel shaped .....	41.75			
L336-9D	Roulette, Dot Pattern .....	25.40			
L336-9L	Roulette, Line Pattern .....	25.40			
	<b>Dot and Line Roulettes are available in 45, 65, 85 and 100 screens. Please specify your choice.</b>				
12015	Scrapper, Hollow - 2 1/2" blade .....	6.85			
12020	Scrapper, Hollow - #527 - 75 mm blade German .....	16.00			
12030	Scrapper, Hollow - #527 - 100 mm blade German .....	18.00			
11980	Scrapper, Flat (Solid) - 3" blade .....	8.55			
11990	Scrapper, Flat (Solid) - #549 - 75 mm blade German .....	16.80			
12000	Scrapper, Flat (Solid) - #549 - 100 mm blade German .....	17.75			

dscn0123  
Scrapers

Spring 2007

Prices subject to  
change without notice.

Graphic Chemical & Ink Company  
Telephone - 800-465-7382 Fax - 630-832-6064 www.graphicchemical.com

# EDWARD C. LYONS

## FINE ENGRAVING TOOLS

L300-A01	Angle Tint Tool # 1	15.25	L302-50	Round Gravers #50	10.50
L300-A02	Angle Tint Tool # 2	15.25	L302-51	Round Gravers #51	10.50
L300-A03	Angle Tint Tool # 3	15.25	L302-52	Round Gravers #52	10.50
L300-A04	Angle Tint Tool # 4	15.25	L302-53	Round Gravers #53	10.50
L300-A05	Angle Tint Tool # 5	15.25	L302-54	Round Gravers #54	10.50
L300-A06	Angle Tint Tool # 6	15.25	L302-55	Round Gravers #55	10.50
L300-A07	Angle Tint Tool # 7	15.25	L302-56	Round Gravers #56	10.50
L300-A08	Angle Tint Tool # 8	15.25	L302-57	Round Gravers #57	10.50
L300-A09	Angle Tint Tool # 9	15.25	L302-58	Round Gravers #58	10.50
L300-A10	Angle Tint Tool #10	15.25	L302-59	Round Gravers #59	10.50
L300-A11	Angle Tint Tool #11	15.25	L302-60	Round Gravers #60	10.50
L300-A12	Angle Tint Tool #12	15.25	L302-61	Round Gravers #61	10.50
			L302-62	Round Gravers #62	10.50
L300-E01	Elliptic Tint Tool # 1	15.25	L302-63	Round Gravers #63	10.50
L300-E02	Elliptic Tint Tool # 2	15.25			
L300-E03	Elliptic Tint Tool # 3	15.25	L320-0	Flat Chaser 1/2"	8.50
L300-E04	Elliptic Tint Tool # 4	15.25	L320-01	Stippling Tool Dot Raiser	8.50
L300-E05	Elliptic Tint Tool # 5	15.25			
L300-E06	Elliptic Tint Tool # 6	15.25			
L300-E07	Elliptic Tint Tool # 7	15.25	L320-04-2	Lining Tool, 2 line	31.60
L300-E08	Elliptic Tint Tool # 8	15.25	L320-04-4	Lining Tool, 4 line	31.60
L300-E09	Elliptic Tint Tool # 9	15.25	L320-04-5	Lining Tool, 5 line	31.60
L300-E10	Elliptic Tint Tool #10	15.25			
L300-E11	Elliptic Tint Tool #11	15.25			
L300-E12	Elliptic Tint Tool #12	15.25			
L301-36	Flat Gravers #36	10.50	L321-01	Scraper, Triangular 3" blade	8.05
L301-37	Flat Gravers #37	10.50	L321-01s	Scraper, Triangular - small 2" blade (slimmer than L321-01)	7.95
L301-38	Flat Gravers #38	10.50	L321-0125	Scraper, Triangular 2.5" blade	7.95
L301-39	Flat Gravers #39	10.50	L321-02	Scraper, Hollow 3" blade	7.95
L301-40	Flat Gravers #40	10.50	L321-025	Scraper, Hollow 2.5" blade	7.80
L301-41	Flat Gravers #41	10.50	L321-03	Scraper Burnisher Combination	16.95
L301-42	Flat Gravers #42	10.50	L322-01	Hand Trimmer # 1	8.30
L301-43	Flat Gravers #43	10.50	L322-02	Hand Trimmer # 2	8.30
L301-44	Flat Gravers #44	10.50	L322-03	Hand Trimmer # 3	8.30
L301-45	Flat Gravers #45	10.50			
L301-46	Flat Gravers #46	10.50	L323-01	Burnisher Straight 3" blade	7.90
L301-47	Flat Gravers #47	10.50	L323-01s	Burnisher Straight small 3" blade (slimmer than L323-01)	7.70
L301-48	Flat Gravers #48	10.50	L323-011	Burnisher Straight 1.5" blade	7.60
L301-49	Flat Gravers #49	10.50	L323-012	Burnisher Straight 2" blade	7.70
			L323-013	Burnisher Straight 2" blade (slimmer than L323-012)	7.75
M001-01	Handle #1	1.40	L323-015	Burnisher Straight 2.5" blade	7.80
M001-02	Handle #2	1.40	L323-02	Burnisher Curved 3" blade	8.15
			L323-02s	Burnisher Curved small 3" blade (slimmer than L323-02)	8.00
L330-0	Draw Tool Copper Cutter	16.25	L323-021	Burnisher Curved 1.5" blade	8.90
L330-01	Special Wood Cut Knife #1	9.80	L323-022	Burnisher Curved 2" blade	7.95
L330-02	Half Tone Rake 45/65 or 85/100 screen	23.20	L323-023	Burnisher Curved 2" blade (slimmer than L323-022)	8.05
L330-03	Scratch Board Tool, Screen 25-60	15.70	L323-024	Burnisher Curved 2.5" blade	8.00
L330-04	Large Wood V Gouge 1/4"	14.60	L323-03	Burnisher & Point #3 Straight End	8.75
			L323-05	Burnisher & Point #5 Curved End	8.85
L340	Crocker Graver Sharpener	49.00	L323-06	Burnisher #6 Flat Curved Ends	11.30
L342	Burin Sharpener	9.05	L323-07	Burnisher & Point #7 Twisted	11.30
L345	India Combination Stone IB-64, 1 x 4" diameter, round	22.65	L323-08	Burnisher - Ball Medium	6.15
L345-01	India Combination Stone MB-14, 1 x 4 x 1/4"	7.50			
L345-02	Slip Stone (Wood Carving), 2 3/4 x 1 x 3/16" rounded	6.00			
L345-03	Arkansas Stone Hard HB-13, 1 x 3 x 1/4"	22.60			

Please specify 45 or 85 screen (lines per inch) for each lining tool.

# EDWARD C. LYONS

## FINE ENGRAVING TOOLS

L324-01	Dry Point Etching Needle #1 .....	7.15	L331-0	Linoleum Tool Set (6) .....	35.50
L324-02	Dry Point Cork Handle .....	8.15	L331-01	Lino U Shape (1/16") .....	6.25
L324-04	Marker #4 Etching Point D/E .....	8.75	L331-02	Lino Knife .....	6.25
L324-05	Diamond Point Etching Needle .....	15.00	L331-03	Medium Gouge (1/4") .....	6.25
L324-06	Balanced Point .....	11.70	L331-04	Small Gouge (1/8") .....	6.25
			L331-05	Lino V Gouge (1/8") .....	6.25
L325-02	Burins, Etching (Square) # 2 .....	7.05	L331-06	Large Gouge (5/16") .....	6.25
L325-04	Burins, Etching (Square) # 4 .....	7.05			
L325-05	Burins, Etching (Square) # 5 .....	7.05	L333-50	Wood Carving Tool Set w/stone WC5WS .....	35.50
L325-06	Burins, Etching (Square) # 6 .....	7.05	L333-51	Large Gouge #1 5/16" .....	6.25
L325-07	Burins, Etching (Square) # 7 .....	7.05	L333-52	Medium Gouge #2 3/16" .....	6.25
L325-08	Burins, Etching (Square) # 8 .....	7.05	L333-54	#4 V Veining Gouge .....	6.25
L325-09	Burins, Etching (Square) # 9 .....	7.05	L333-55	Knife Outlining 5/16" .....	6.25
L325-10	Burins, Etching (Square) #10 .....	7.05	L333-56	Bent Chisel .....	6.25
L325-12	Burins, Etching (Square) #12 .....	7.05			
			L333-60	Wood Carving Tool Set WC 6 1/2" L6 .....	35.50
L325-22	Burins, Lozenge #2 .....	7.35	L333-61	Large Gouge #1 5/16" .....	6.25
L325-24	Burins, Lozenge #4 .....	7.35	L333-62	Medium Gouge #2 3/16" .....	6.25
L325-26	Burins, Lozenge #6 .....	7.35	L333-63	Chisel #3 5/16" .....	6.25
L325-28	Burins, Lozenge #8 .....	7.35	L333-64	#4 V Veining Gouge .....	6.25
			L333-65	Knife Outlining 5/16" .....	6.25
L326-000	Litho Needles Round #000 .....	6.35	L333-66	Bent Chisel 5/16" .....	6.25
L326-00	Litho Needles Round #00 .....	6.35			
L326-0	Litho Needles Round #0 .....	6.35	L334	Platemakers Graver Set (6) .....	49.90
L326-01	Litho Needles Round #01 .....	6.35	L334-F40	Flat #40 Graver .....	10.50
L326-02	Litho Needles Round #02 .....	6.35	L334-F46	Flat #46 Graver .....	10.50
L326-03	Litho Needles Round #03 .....	6.35	L334-R54	Round #54 Graver .....	10.50
L326-04	Litho Needles Round #04 .....	6.35	L334-R60	Round #60 Graver .....	10.50
L326-05	Litho Needles Round #05 .....	6.35	L334-L5	Lozenge Metal #5 .....	10.50
L326-06	Litho Needles Round #06 .....	6.35	L334-P3	Point Metal #3 .....	10.50
L326-07	Litho Needles Brass - 1/16" dia. ....	6.35	L334-1	Intaglio Set A (4) .....	51.25
			L321-03	Scraper Burnisher Combination .....	16.95
L328-0	Litho Needles Square # 0 .....	6.65	L336-9D	Roulette #9 Dot Pattern, single shaft 85 screen.....	25.40
L328-01	Litho Needles Square # 01 .....	6.65	L324-04	Marker #4 Etching Point D/E .....	8.75
L328-02	Litho Needles Square # 02 .....	6.65	L325-05	Burins, Etching (Square) # 5 .....	7.05
L328-03	Litho Needles Square # 03 .....	6.65			
L328-04	Litho Needles Square # 04 .....	6.65	L334-2	Intaglio Set B (6) .....	47.05
L328-05	Litho Needles Square # 05 .....	6.65	L323-02s	Burnisher Curved small 3" blade (slimmer than L323-02) .....	8.00
L328-06	Litho Needles Square # 06 .....	6.65	L324-04	Marker #4 Etching Point D/E .....	8.75
			L321-01s	Scraper, Triangular - small 3" blade (slimmer than L321-01).....	7.95
L329-01	Litho Needles Oval # 1 .....	6.80	L300-E04	Elliptic Tint Tool # 4 .....	15.25
L329-02	Litho Needles Oval # 2 .....	6.80	L325-04	Burins, Etching (Square) # 4 .....	7.05
L329-03	Litho Needles Oval # 3 .....	6.80	L325-26	Burins, Lozenge #6 .....	7.35
L336-9D	Roulette #9 Dot Pattern, single shaft .....	25.40	L335-.5	Mezzotint Rocker 1/2" wide .....	33.85
L336-9L	Roulette #9 Line Pattern, single shaft .....	25.40	L335-1	Mezzotint Rocker 1" wide .....	42.35
L336-91R	Roulette One Row, single shaft .....	25.40	L335-1.5	Mezzotint Rocker 1 1/2" wide .....	64.15
L337-10D	Roulette #10 Dot, double shaft .....	37.00	L335-2	Mezzotint Rocker 2" wide .....	89.05
L337-10L	Roulette #10 Line, double shaft .....	37.00	L335-2.5	Mezzotint Rocker 2 1/2" wide .....	101.60
L337-10LG	Roulette #10 Large (3/8"D x 1/2"W), double shaft .....	109.30	L335-3	Mezzotint Rocker 3" wide .....	117.80
	Specify Screens of 45, 65, 85, or 100 for above roulettes		L335-4	Mezzotint Rocker 4" wide .....	142.20
L338	Roulette, Irregular Pattern .....	41.75	L335-5	Mezzotint Rocker 5" wide .....	177.80
L338-1	Roulette, Irregular Pattern - barrel shaped .....	41.75	L335-6	Mezzotint Rocker 6" wide .....	225.80
			L335-W3	Mezzotint Rocker Weights .....	26.90
L330-02	Half Tone Rake 45/65 or 85/100 screen.....	23.20		Mezzotint Screens 45, 65, 85, 100	

## SAFETY & NON-TOXIC CLEAN UP

Printmakers have educated themselves in recent years regarding the relative safety of the materials they use. Graphic Chemical & Ink has taken a leadership role in the effort to make labeling of artists' materials more meaningful. We were one of the charter members of the Arts & Creative Materials Institute (ACMI), which is the organization charged with administering the voluntary labeling standard for art materials.

Every studio has the potential of being a safe and secure work space. All it takes is a little information and the selection of appropriate safety gear. In order to facilitate this, Graphic Chemical & Ink Company has chosen to offer all Safety materials at a greatly reduced prices or in some cases at our cost. We firmly believe that safety is too important to compromise because of cost.

If you use acids in your studio, a must is the **Acid Spill Kit** which contains a product called Neutrasorb which neutralizes the spilled acid. It contains disposable gloves, an apron and a scoop to pick up the mess. Another must is a **Respirator** with the appropriate set of filters. While we sell **Dust Masks**, we do not recommend them for protection from acids or solvents. In many cases, these masks can aggravate the exposure to acids and solvents. **Heavy Duty Rubber Gloves** are another necessity in any studio. We have a new style which are natural rubber and knit-lined. The work area is etched with a non-slip grip and they come in four sizes, the small size being recommended by one of our customers. She has small hands and really liked these

gloves. If you prefer a tighter fitting glove, we would suggest the **Nimble Fingers Gloves**, which is a little more like a surgical glove. We have added a **Neoprene Glove** that is 22 ml and comes in three sizes. We still carry the packs of **Disposable Gloves**. Two more important additions to your safety supplies are the **Soft Frame Goggles** and **Rubberized Cloth Aprons**.

Once you have the necessities, there are a number of products that make nice additions to your safety and clean up supplies. When it comes to hand cleaners, we have some great choices! Some new additions to the line are **Marvelous Marianne's Earth and Skin Friendly Products**. What has become an old stand-by is still one of our favorite products, **Master's Hand Soap**. This hand soap is just plain ugly, but it sure does the job. It will clean inks, paints and even stains from your hands with little effort. Barrier creams are great additions to the studio, but almost all will wear off over time. The favorite cream has been **Invisible Glove**, which is the old Pro-Tek formula. After the cream is applied and allowed to dry, it helps tremendously in the clean up process. If properly applied, the area under the fingernails and the cuticles are easily cleaned with minimal effort. For the best results, Graphic recommends the use of **Master's Hand Soap** in addition to the barrier creams. With the combination of materials, you can print all day and party all night without worrying about how your hands look.

**SOYsolvII** quickly cleans up the messiest of shops and equipment. Non-toxic, non-flammable and biodegradable, **SOYsolv** is good for your health and the environment.

## GRAPHIC CHEMICAL & INK CO.

Telephone (800) 465-7382 Fax (630) 832-6064 [www.graphicchemical.com](http://www.graphicchemical.com)

# SAFETY & NON-TOXIC CLEAN-UP

10040	Acid Spill Kit .....	165.00		
	(A must for the classroom or studio! The Acid Spill Kit contains a neutralizing agent, plastic gloves, a scoop and disposal bag.)			
11960	Rubberized Cloth Apron, 36" x 44" .....	18.00		
13800	Disposable Dust Masks each .....	0.75		
13805	Disposable Dust Masks per box of 50 .....	16.95		
13820	Disposable Gloves, box of 100 Medium .....	2.00		
13810	Disposable Gloves, box of 100 Large .....	2.00		
12900	Heavy Duty, Blue-Grip Rubber gloves, pair Small - 7 .....	4.50		
12910	Heavy Duty, Blue-Grip Rubber gloves, pair Medium - 8 .....	4.50		
12920	Heavy Duty, Blue-Grip Rubber gloves, pair Large - 9 .....	4.50		
12930	Heavy Duty, Blue-Grip Rubber gloves, pair X-large - 10 .....	4.50		
12950	Neoprene Gloves, pair Medium - 9 .....	6.00		
12960	Neoprene Gloves, pair Large - 10 .....	6.00		
12970	Neoprene Gloves, pair X-large - 11 .....	6.00		
11430	Invisible Glove, barrier cream, 6 oz tube .....	8.00		
11480	Kiss-off, stain remover, per stick .....	3.15		
11705	Nimble Fingers PVC Gloves, pair .....	1.80		
11710	Nimble Fingers PVC Gloves, dozen pair .....	19.60		
11870	Respirator, with dust filters .....	24.00		
11740	Set of organic vapor filters .....	10.25		
14140	Set of dust filters .....	2.95		
10030	Set of acid gas/organic vapor filters .....	11.25		
12180	Soft Frame Goggles .....	6.60		
11598	The Masters, hand soap, per 1.5 oz bar .....	1.25		
11600	The Masters, hand soap, per 4.5 oz bar .....	2.50		
58010	SavvySoap Smooth 2 oz .....	2.75		
58020	SavvySoap Smooth 16 oz .....	7.25		
58030	SavvySoap Smooth Gallon .....	22.00		
58035	SavvySoap Smooth 4 Gallon case .....	80.00		
58050	SavvySoap with grit 16 oz .....	7.25		
58060	SavvySoap with grit Gallon .....	22.00		
58065	SavvySoap with grit 4 Gallon case .....	80.00		
58070	SavvySoap Gallon Pump .....	3.50		
58080	SkinSafer Barrier Cream 4 oz .....	7.00		
58090	SkinSafer Barrier Cream 16 oz .....	16.00		
12415	SOYSolv II Quart .....	13.60		

Non-metallic Benzine Can

Safety Can

## CANS, SAFETY

13440	Metal Safety Can 1 gallon .....	55.00		
13450	1 quart .....	55.00		
13460	5 gallon .....	60.50		
13480	Non-Metallic Benzine, 1 quart .....	43.50		
13481	Replacement Nozzle for Non-Metallic Benzine, 1 quart .....	18.90		
13485	Oily Waste Can Counter Top 2 gallon .....	67.00		
13490	Oily Waste Can Floor 6 gallon .....	70.00		

dscn0092  
Savvy Soap

## EMPTY CONTAINERS

13610	16 oz Slip Top metal ink can .....	1.50		
13600	16 oz Screw Top plastic ink can .....	1.50		
13630	5 pound ink can - metal .....	2.00		
13580	1 pint bottle - plastic .....	1.90		
13585	1 quart bottle - plastic .....	1.75		
13625	1 gallon bottle - plastic .....	2.00		
13615	1 quart paint can - metal .....	2.00		
13635	1 pint bottle - glass .....	1.75		
13699	5 pint bottle - glass .....	5.00		
13620	1/4 pound tubes - aluminum .....	1.00		
12485	Caulking Cartridges .....	0.75		

Oily Waste Can

dscn0104  
Kiss Off & Masters Hand Soap

## TRAYS

Graphic Chemical has the widest selection of trays available for the etcher today. The Styron trays are suitable for normal dilutions of Nitric and Hydrochloric acids. It is important to note that when looking in the price listings, the size shown is the size of the largest plate that the tray will accommodate, not the physical dimensions of the tray. Each tray is about 3 inches larger than the listed dimension.

## TANKS

The Vertical Etching Tank is a recent breakthrough in the etching process. The Vertical Tank is capable of handling plates up to and including 18 x 24". This tank has a smaller footprint (9" wide by 20" long) than traditional trays. It has a built-in funnel to make filling and emptying easier and is less prone to evaporation because of the reduced surface area. The Tank Insert allows etching smaller plates with less mordant.

Although this tank stands up to all of the standard materials used to etch today, it is specifically designed to promote the use of Copper Etching Solution. The Hand Siphon Pump is offered to aid in draining trays and tanks.

Trays are sized by the largest plate they can hold. They actually are about 3" larger around. For example, Styron Tray #12325 will accommodate a plate up to 30 x 40 but has an outside measurement of about 33 x 43.

12260	Styron Tray	8 x 10"	8.00
12270	Styron Tray	11 x 14"	13.50
12280	Styron Tray	14 x 17"	21.00
12290	Styron Tray	16 x 20"	27.00
12300	Styron Tray	18 x 22"	43.00
12310	Styron Tray	20 x 24"	45.00
12320	Styron Tray	23 x 28"	66.00
12325	Styron Tray	30 x 40"	108.00
ZB60X80	*PVC Tray with drain	60 cm x 80 cm	433.00
ZB80X110	*PVC Tray with drain	80 cm x 100 cm	485.00
ZB100X150	*PVC Tray with drain	100 cm x 150 cm	575.00
ZB120X150	*PVC Tray with drain	120 cm x 150 cm	760.00

\* Pricing for these items are estimated as the price is based on the Euro value which fluctuates.

101824	Vertical Etching Tank - 18 x 24"	151.00
100912	Vertical Etching Tank - 9 x 12" insert	40.00
100009	Hand Siphon Pump, to drain the tanks	30.00

## HOT PLATES & WARMING TRAYS

In the Graphic line of equipment, the Graphic Professional Hot Plate is the star performer. Its large open expanse makes it an ideal tool for either the school or the professional studio. The thermostat is located on a side of the hot plate leaving the entire top completely available for heating. It is available for 208-240 volt single phase circuits; uses 4000 watts and has a heat spread from room temperature to 550 degrees F. It draws 18 amps.

We currently carry four sizes of hot plates. The three larger models, 27 1/2" x 36", 24" x 36" and 18" x 24", are 220 volt. The smaller model, 12" x 18", is 110 volt. They have a heat range to 550 degrees Fahrenheit. We have added Warming Trays which heat to 200 Degrees Fahrenheit which is ample for most printmaking applications.

50220	Graphic Professional Hotplate, 27 1/2 x 36", 220 volt	1300.00
50230	Graphic Professional Hotplate, 24 x 36", 220 volt	1100.00
50235	Graphic Professional Hotplate, 18 x 24", 220 volt	755.00
50240	Graphic Professional Hotplate, 12 x 18", 110 volt	600.00

All four hotplates draw 18 amps and have a heat range from room temperature to 550 degrees Fahrenheit.

WT1420	Broil King Warming Tray, 14 1/2 x 20", 120 volt	120.00
WT1441	Broil King Warming Tray, 14 1/2 x 41", 120 volt	235.00

Warming Trays heat to 200 degrees Fahrenheit which is a good temperature for melting ball ground.

Hot Plate

Vertical Etching Tank  
Holds about 4 gallons of solution  
Tank with base is 9 x 5 x 20" high

PVC Tray with drain

Warming Tray

## POLYMETAAL ROSIN DUST BOX & ACID CHEST

Our dust boxes and acid chest are special ordered from Europe. We sometimes have them in stock. Please contact Customer Service for a time estimate when ordering.

### ACID BATH

We offer an Acid Bath with rim ventilation to our growing line print studio equipment. It operates with a 220 volt and comes in two sizes - 28" x 36" x 36"h with an inside measurement of 23 x 31" and a slightly larger version which measures 36" x 48" x 36"h with an inside measurement of 31" x 43".

### POLYMETAAL ROSIN DUST BOX

	Maximum Plate Size	W x D x H	
SK-50 * Rosin Dust Box	50 cm x 60 cm .....	27.5x22.4x60" ....	1400.00
SK-60 * Rosin Dust Box	60 cm x 80 cm .....	35.4x26.4x63" ....	1575.00
SK-80 * Rosin Dust Box	80 cm x 100 cm .....	44.5x35.4x78.7" ..	2499.00

### ACID BATH with Rim Ventilation

	Outside Measurement	Inside Measurement	
ZR60X80 * Acid Bath	70 cm x 90 cm	60 cm x 80 cm .....	4650.00
ZR80X110 * Acid Bath	90 cm x 120 cm	80 cm x 110 cm .....	5131.00
ZR80X120S * Acid Bath	90 cm x 130 cm	80 cm x 120 cm .....	6100.00
ZK-60 * Acid Chest	.....	.....	2825.00

Pricing for these items is estimated as the price is based on the Euro value which fluctuates.



# DRYING RACKS

We have the best selection of Drying Racks from table top racks to the largest industrial sizes. Graphic's extremely wide variety is sure to meet your every need. Please inquire with your specific needs if you don't find what you want and we'll be happy to quote.

## A.W.T Drying Racks

Tray Size Shelves Weight

### Table Models

For shop, office, home or studio. All-steel units offer baked enamel shelf finish to resist rust and solvents. All these models can ship UPS.

Model	Tray Size	Shelves	Weight	Description	Price
DR1625	12 x 16"	25	27	Single Sided	120.00
DR1830WD	12 x 18"	30	23	Wall/Door Unit	152.00
DR1830	12 x 18"	30	30	Single Sided	139.00
DR1850	10 x 18"	50	31	Double Sided	175.00
DR18100	10 x 18"	100	74	Double Sided w/castors	377.00

### Port-A-Racks

For Commercial shops, schools, studios and institutional use. Lightweight, easy fitting shelves snap quickly into the all-steel frame with rubber bumpers to assure proper spacing.

Model	Tray Size	Shelves	Weight	Price
DR2440A	18 x 24"	40	74	413.00
DR2450	18 x 24"	50	76	541.00
DR2480	18 x 24"	80	124	761.00
DR24100	18 x 24"	100	148	975.00
DR2640	20 x 26"	40	74	483.00
DR2650	20 x 26"	50	84	590.00

### Heavy Duty Racks

For all sized shops and studios. Steel bumpers are welded to the outside of the shelves to give more room. Each shelf spring is adjustable for up/down control. The shelves are spaced at 1" intervals (2" available) to maximize solvent evaporation. For baking applications, heat resistant models are available.

Model	Tray Size	Shelves	Weight	Price
DR3640	30 x 46"	40	278	1075.00
DR3650	26 x 36"	50	300	1140.00
DR4640	30 x 48"	40	278	1015.00
DR4840	31 x 48"	40	350	1265.00
DR4850	31 x 48"	50	416	1374.00
DR5050	37" x 50"	50	507	1660.00
DR5550	42 x 55"	50	635	1779.00
DR6850	45 x 68"	50	935	2885.00
DR8050	52 x 80"	50	1120	3700.00

## SATURN PRINT DRYING RACKS

All racks listed below are floor models including castors. Customization is available to meet any need. Please inquire.

Model	Tray Size	Trays	Floor Size	Weight	Pieces	Price
MR1824	18 x 24"	40	24 d x 25"w	70	1	431.00
MR1824b	18 x 24"	80	54 d x 25"w	140	2	813.00
MR223240	22 x 32"	40	28 x 32 1/2"	238	4	983.00
MR223250	22 x 32"	50	28 x 32 1/2"	276	4	1073.00
MR324840	32 x 48"	40	37 x 48 5/8"	407	5	1213.00
MR3248	32 x 48"	50	37 x 48 5/8"	457	5	1353.00
MR4052	40 x 52"	50	47 x 52 5/8"	511	5	1667.00
MR4333	43 x 33"	50	48 x 33 5/8"	397	5	1415.00
MR4569	45 x 69"	50	52 x 72 1/2"	803	7	2525.00
MR5269	52 x 69"	50	59 x 72 1/4"	862	7	2764.00
MR5281	52 x 81"	50	59 x 83 1/4"	944	7	3255.00

## Felt Blankets

The late F. Leslie Thompson, former secretary of the Chicago Society of Etchers and a noted printer of Aquatints, makes several recommendations regarding the use of felt blankets in the printing process.

Thompson used a three blanket system, in order to minimize the effort expended by the printer and strain on the equipment. The first blanket is a light-weight felt placed directly over the printing paper to catch or absorb the sizing. The second blanket is a thick, pressed felt, which is soft and cushiony to guarantee uniform pressure over the entire print area. The third blanket is a harder, woven felt, which takes the wear and tear that is dished out by the upper roller. The first blanket, the Sizing Catcher, is the blanket that takes the majority of the abuse and wear. This pressed felt blanket is the least expensive and generally can and should be washed. Many studios will have two or more of these blankets available. We also offer a woven sizing catcher which while more expensive than pressed felt, will last much longer.

The second blanket, the Cushion Blanket, should last for many years with reasonable care. The third blanket, called a Pusher Blanket, will become dirty as it is used, but that should not affect the print and it should also last a long time.

Blankets come in the following stock widths:

Sizing Catcher	18", 36", 72"
Cushion Blanket	18", 25", 28", 36", 72"
Pusher Blanket	18", 25", 28", 36", 72"

Additionally, we occasionally have blankets in odd sizes or which are slightly soiled, both being available at bargain prices. Please ask our staff about these.

Yard pricing will be prorated for length ordered

Pusher - 1/8" Woven Felt 100% Wool

11800	18" width, per yard	35.75
11810	25" width, per yard	46.75
11820	28" width, per yard	49.75
11830	36" width, per yard	68.75
11840	72" width, per yard	126.00

Cushion - 1/4" Pressed Felt 100% Wool

13700	18" width, per yard	38.00
13710	25" width, per yard	50.00
13720	28" width, per yard	57.20
13730	36" width, per yard	67.50
13740	72" width, per yard	130.00

Sizing Catcher - 1/16" Pressed Felt 90% Wool, 10% Rayon

12150	18" width, per yard	5.70
12160	36" width, per yard	10.25
12165	72" width, per yard	19.87

Sizing Catcher - 1/16" Woven Felt 100% Wool

12154	18" width, per yard	33.20
12155	36" width, per yard	66.25

Spring 2007  
Prices subject to  
change without notice.

## PLATE CLEANERS

Printmakers have, for many years, used Putz Pomade as a plate polisher. This is an excellent product for polishing, but it leaves a slightly oily residue. Several years ago, a customer recommended Rolite Polishing Paste to us. This works equally as well, but with a significant reduction in the residue left behind. Rolite is now available in 3 oz tubes as well as the original 1 pound cans.

Probably the oldest method of polishing is the Willow Charcoal Block which is used on the end grain to quickly clean and polish a plate without leaving a residue. Also available are Scotch-Brite Polishing Pads and Descumming Pads to aid the photoengraving process.

Whiting is an excellent way to clean zinc or copper plates. A paste of acetic acid or household ammonia and whiting works well. Whiting also may be used to stiffen etching inks when you want to increase the body of the ink.

## WIPING FABRICS

Most etchers use a variety of materials for wiping their plates. The most commonly used of these is Tarlatan. A heavily starched woven cotton cloth, it is still the best way to remove unwanted ink from the surface of a plate. The vast majority of printmakers will choose the regular grade of this product, but some do prefer the stiff grade. Both are the same mesh count and only the concentration of starch is different. Tarlatan is sold by the yard, with price breaks at 50 and 100 yards. An additional price

We offer Cheesecloth in the same weave as tarlatan in order to offer uniformity to those of you who prefer the unstarched version for the wiping of plates. Cheesecloth is available by the yard and in 70 yard bolts.

## PLATE CLEANERS & POLISHES

13520	Charcoal Block, willow 4.25 x 1.5 x 1"	4.35
13530	Charcoal Block, willow 4.25 x 1.5 x 3"	13.10
11850	Putz Pomade, paste, per can	13.45
11900	Rolite Polishing Paste, per 1 pound can	19.90
11905	Rolite Polishing Paste, per 3 oz tube	6.75
11970	Scotch Brite Polishing Pads	2.00
12430	Whiting, 1 pound can	2.50
12435	Whiting, 5 pound can	10.50
31085	Scotch Stones - 1/4"	6.50
31086	Scotch Stones - 1/8"	6.50
13515	De-scumming/Developer Pad	4.50

## WIPING FABRICS

Tarlatan - regular

12330	36" width, less than 50 yards, per yard	1.30
	50 - 99 yards, per yard	1.27

12331	Bolt, 36" width, 100 yards	124.00
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Tarlatan - stiff

12340	49" width, less than 50 yards, per yard	1.60
	50 - 99 yards, per yard	1.56

12341	Bolt, 49" width, 150 yards	225.00
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Cheesecloth

13550	36" wide, less than 70 yards, per yard	0.95
13551	70 yard bolt, per bolt	53.00

# MISCELLANEOUS ETCHING & ENGRAVING SUPPLIES

## BORDERING WAX

Many artists today have access to a well equipped studio, with trays of many sizes available to them. Occasionally, however, one needs to etch a plate where there is no suitable size tray available, or perhaps even to etch a plate when away from the studio.

For these purposes, we recommend Bordering Wax. This product becomes quite workable when placed in warm water and molded around the edge of the copper or zinc plate to form a leak-proof tray. The Bordering Wax hardens quite rapidly as it cools. After the etch is completed, the wax may be stripped off and used again for another project. This wax is also useful for supports or "legs" to keep the plate above the bottom of the tray, particularly when etching with Copper Etching Solution.

## STRAIGHT EDGES

The Aluminum Straight Edges are numbered like a ruler. The Stainless Steel Straight Edges are heavier than the aluminum and do not have ruler markings.

## INK KNIVES

Graphic offers several types of ink knives in various lengths and widths.

10060	Aprons	Blue Denim with advertising	7.75
10070		Red with advertising	7.75
10080		White with advertising	7.75
10171	Bordering Wax, 1 1/2" x 12"	each	3.00
10175		Box of 10 sticks	29.20
13560	Chinese Pencils		1.20
13750	Dabbers	Economy Felt	1.00
13760		Felt	8.00
13770		Leather	10.50
11250	Goose Feathers		0.40
11861	Razor Blades, single edge	per 100	12.70
11860		each	0.20
10920	Plastic Spatula, #123		1.55
12050	Sharpening Jig, for sharpening burins		9.80
12170	Skin Papers, 3 3/4"	per hundred	1.25
	For Slip Top Cans	per thousand	10.00
12173	Skin Papers, 3 1/4"	per hundred	1.25
	For Screw Top Cans	per thousand	10.00
12171	Skin Papers, 6"	per hundred	2.00
	For 5 lb Ink Cans	per thousand	15.00

## CHINESE PENCILS

As the mordant acts on a metal plate, a precipitation of metallic salts is formed in the lines. If these are not kept brushed off, the biting process will gradually cease. Another possibility is that irregular biting will occur. due to heavier deposits of salts in some areas.

To eliminate this potential problem, we recommend the use of Chinese Pencils or brushes. The bristles of the fine brushes are resistant to the acids normally used in the etching process and the sharply pointed tip will allow you to clean the finest of lines.

## MAGNIFIERS

Linen Tester - the traditional folding glass with a 1" viewing field and a 8X lens. Folds to fit easily in the pocket.

We have added a new line of magnifiers to our catalog. We have hand held, head band and table top models to choose from.

12210	Straight Edge	Aluminum	30" length	11.90
12220	Straight Edge	Aluminum	36" length	19.15
12230	Straight Edge	Aluminum	48" length	27.50
12240	Straight Edge	Stainless Steel	36" length	45.95
12250	Straight Edge	Stainless Steel	48" length	61.50
12350	T-Square	Aluminum	30" length	26.95
12360	T-Square	Aluminum	36" length	33.75
12370	T-Square	Aluminum	48" length	40.00
	Aluminum Straight Edges and T-Squares are ruled in inches and centimeters. Stainless Steel Straight Edges are not numbered and have one beveled edge.			
12420	Wax Taper, each			3.75
12440	Yes Glue	per pint		14.45
12443	Yes Glue	per quart		21.70
12446	Yes Glue	per gallon		37.50

# MISCELLANEOUS ETCHING & ENGRAVING SUPPLIES

## MAGNIFIERS

11580	Linen Tester, 8x, folding .....	18.50
11587	60mm Round Hand Magnifier 5x .....	24.00
11588	60mm Round Stand Magnifier 5x .....	24.00
11589	Clip on Binocular Magnifier 2X at 10" .....	24.00
11590	OptiVisor Binocular Magnifier 2 1/2X at 8" .....	34.45
11591	AccurVisor Binocular Magnifier 2 1/2X at 8" .....	24.00
11601	Magnifier - 4" Flexible Arm .....	25.00
11514	True Light Magnifier Lamp .....	98.00

## INK KNIVES

11380	Palette Knife - 3" Straight Blade .....	7.20
11385	Palette Knife - 4" Straight Blade .....	9.00
11390	Putty Knife - 1.5" Blade .....	8.50
11400	Scraper 3" tapered Blade .....	21.00
11415	Spatula, Round End - 4" .....	8.00
11410	Spatula, Round End - 8" .....	11.00
11420	Straight Blade - 6" .....	17.50

dscn0075  
Stand Magnifier

dscn0088  
OptiVisor

dscn0420  
Straight Blade  
Putty Knife  
Round End Spatula

dscn0047  
3" Tapered Blade

dscn0091  
60mm Round Hand Magnifier

dscn0048  
Spatula 4"  
Spatula 8"