

**ENGRAVER'S METAL,
CAMERA FILM and
CHEMISTRY
PRODUCTS**

*Experience
the Difference!*



**ANDERSON &
VREELAND INC.**



A&V is the only source you will ever need for engraver's metal, chemistry and film products. We support these products with technical service representatives whose knowledge and experience is second-to-none in the industry. If the product you are looking for is not shown here, or you require a special size of order, please call your nearby A&V representative.

**MENA Red Top or AQ-BLU
Magnesium Photoengraving Plates**

Size	Gauge	Sheets/Case	Wt./Sheet
18 x 24	.064	50	1.78 lbs.
24 x 36	.064	25	3.56 lbs.
20 x 24	.064	50	1.98 lbs.
30 x 40	.064	25	4.94 lbs.
19.7 x 25.6	.069	50	2.24 lbs.
24 X 36	.069	25	3.83 lbs.
19.7 X 25.6	.080	50	2.59 lbs.
24 x 36	.080	25	4.44 lbs.
24 x 36	.098	20	5.44 lbs.
18 x 24	.118	30	3.28 lbs.
24 x 36	.118	15	6.56 lbs.
18 x 24	.153	26	4.25 lbs.
24 x 36	.153	13	8.50 lbs.
30 x 40	.153	10	11.81 lbs.
19.7 X 25.6	.197	15	6.39 lbs.
24 x 36	.197	10	10.94 lbs.
18 x 24	.250	16	6.94 lbs.
24 x 36	.250	8	13.89 lbs.
30 x 40	.250	5	19.29 lbs.
19.7 X 25.6	.276	12	8.95 lbs.
24 x 36	.276	7	15.33 lbs.

MEL (Magnesium Elektron Graphic Art Products) Shipping Policy 1-19 Cases; Freight FOB Plant 20 Cases; Freight PPD Non Standard Sizes and Gauges Available

MENA Plate Chemicals

- Red Top Plate Cold Developer PRC - 5 Gallon Pail
- Red Top Plate Cold Developer PRV - 55 Gallon Drum
- Red Top Photoresist - PRC Resist w/ Thinner - 1 qt.
- AQ BLU Developer Concentrate - 5 gallon pail
- AQ Blu Top Remover - 5 Gallon Pail
- AQ BLU Photoresist - 1 Quart
- AQ BLU Photoresist Thinner - 1 Quart
- MEL Mag Prime - 1 Gallon
- Elektron Etch Mag Additive - 5 Gallon Pail

Matrix & Accessories

Matrix Board for Flexo Plates

440 Square Shrink Matrix - 33" x 60" sheets
 AV-440-11 AV-440-11 AV-440-91 SG
Sheets are available in 33" x 30" size

**Matrix Board for Embossing
Counters & Duplicates**

33" x 60" sheets
 AV-101 SPEC 140-150 AV-161 SPEC 110-120
 AV-241 BB SPEC 200-210 AV-65 Embossing Uncoated

Release Sprays

(12 cans per case)
 Stoner E-497 Graphite-Spray
 Repelzite-Spray

Perforated Metal

PERMET 32 x 25 .012 thickness 32-1/4" x 35-7/8"

Fill-in Powder - Red (80 Mesh)

50 lbs. or less 50 - 99 lbs 100 lbs. or more

Release Paper

30" Rolls, 30" wide .008 thickness 50# Rolls

MENA Premium Engravers Zinc

Available in Non-Sensitized, Hydro-Coat® and Presensitized

Size	Gauge	Sheets/Case	Weight
18 x 24	.032	50	3.59 lbs.
18 x 24	.064 (16 ga)	30	7.19 lbs.
20 x 24	.064 (16 ga)	20	7.99 lbs.
24 x 36	.064 (16 ga)	15	14.38 lbs.
20 x 24	.125	10	16 lbs.
24 x 36	.125	10	28 lbs.
18 x 24	.153 (11 pt)	10	17.18 lbs.
20 x 24	.153 (11 pt)	10	19.09 lbs.
24 x 36	.153 (11 pt)	6	34.37 lbs.
Pos-E-Zinc			
20 x 24	.064 (16 ga.)	20	7.99 lbs.

Shipping Policy: 1-22 cases; Freight FOB Plant, 23+ cases; Freight Prepaid.

MENA Engravers Brass

Size	Gauge	Sheets/Case	Weight/Sheet
Hydro-Coat Brass			
16 x 20	.064 (16 ga)	30	6.5 lbs.
16 x 24	.250 (1/4")	6	29.8 lbs.
Pos-E-Brass			
16 x 24 Pos	.25	6	27.8 lbs.

Non-standard sizes and gauges of copper and brass are available. Such orders are not cancelable and are subject to a premium charge. Prices and delivery subject to inquiry. Non-standard sizes cut from large sheets receive a cutting charge of \$1.50/final cut sheet size, e. g. 1-24" x 36" sheet = 2-18" x 24" sheets or an additional \$3.00 charge for cutting. Cutting charge also applies to special orders. Scrap generated will be charged to customer. Shipping Policy for Copper and Brass: 1-20 Cases; freight FOB Plant, 21+ cases; freight prepaid.

CNC Brass - Noncoated

Size	Gauge	Sheets/Case	Weight
24 x 24	.252	4	41.6 lbs.
24 x 24	.127	13	22.3 lbs.

MENA Engravers Copper

Available in Non-Sensitized, Hydro-Coat® and Presensitized

Size	Gauge	Sheets/Case	Weight
16 x 20	.064 (16 ga)	30	6.5 lbs.
18 x 24	.064 (16 ga)	20	8.8 lbs.
18 x 36	.064 (16 ga)	15	13.2 lbs.
24 x 36	.064 (16 ga)	10	17.6 lbs.
15 x 36	.250 (1/4")	4	43.0 lbs.
22 x 36	.250 (1/4")	4	64.7 lbs.
Pos-E-Cop			
16 x 20	.064 (16 ga.)	25	6.5 lbs.
15 x 36	.250 (1/4")	4	43.0 lbs.

MENA Zinc Chemicals

Hydro-Coat® Heated Developer (Machine Developer)	5 Gal. Pail
Hydro-Coat® Cold Developer Concentrate (Tray Developer)	5 Gal. Pail
Super Etch Zinc Additive	5 gallons (18.9 ltrs.)
Velv-Etch Zinc Filming Agent	5 gallons (18.9 ltrs.)

Shipping Policy: 1-17 pails; Freight FOB Plant, 18+ pails; freight FOB Plant pre-paid, palletized in multiples of 6, 12 and 18 pails per skid.

AV Zinc Etch Additive

AV Zinc Etch 5 Gallon Pail

MENA Copper Chemicals

Copper-Chem® 13A	1 lb Bottle (454 gr)	(4 btls per case)
Copper-Chem® 13B	1 lb Bottle (454 gr)	(4 btls per case)
Copper-Chem® 76	1 qt (.95 liters)	(4 btls per case)
Copper-Chem® 77	100 gr (10 Paks)	

MENA Magnesium Etch Additives

*Magnesium Developer	*Rev-Flex® Etchant Additive
*X5K Filming Agent	*X-Flex Filming Agent
*Hydro-Etch Etchant Additive	*Mago 20X

Shipping Policy: 1-17 pails; Freight FOB Plant - 18+ pails; Freight FOB Plant prepaid, palletized in multiples of 6, 12 and 18 pails per skid.

MENA Hydro-Coat® Chemicals

Hydro-Coat® Heated Developer Concentrate (add 5 parts water to 1 part Developer)
Hydro-Coat® Cold Developer Concentrate (add 5 parts water to 1 part Developer)
Hydro-Coat® Top Remover Concentrate (add 2 parts water to 1 part Top Remover)
Hydro-Coat® Top Remover II (Do not dilute)

Offered in 5 gallon (18.9 lters) containers.

Shipping Policy: 1 - 17 pails; Freight FOB Plant, 18+ pails; Freight Prepaid. Palletized in multiples of 6, 12 and 18 pails per skid.

QPI Molding Compound

For Embossing Counters and Duplicates

QPI 100 (Gray or Black) sold in 50-65 lb. rolls.
CB 100 Composite for Thin Counters (.030)
CFP 100 Detail Powder for CB 100 - sold by pound.

Photopolymer for Intaglio Counters

KF 95 A2 (water-wash only) 16-1/2" x 23-3/8" .038 thick-packed 20/case

Etching Equipment

COFOMEGRA machines can be used to etch both zinc and magnesium plates. Applications of zinc and magnesium plates include:

- Foil stamping
- Awards & plaques
- Labels production
- High frequency die-cutting for syntehtic materials
- Embossing dies
- Flexography
- Metal signage



ULTRAMATIC 40 Powderless etching machine for ZINC and MAGNESIUM plate sizes up to 40 x 50 cm. (16" x 20").

ULTRAMATIC 90 Powderless etching machine for ZINC and MAGNESIUM plate sizes up to 50 x 60 cm. (20" x 25"). Bath capacity is 90 litres.

ULTRAMATIC 200 Powderless etching machine for ZINC and MAGNESIUM plate sizes up to 77 x 102 cm. (30"x40"). Bath capacity: 200 litres.

Photopolymer Equipment



Orbital X washout unit for KF 95

Compact, stack-style systems for complete processing of tap water washable photopolymer plates direct from negative. Features orbital washout, exposure section, a three-drawer dryer and an optional post section.

	12" x 18" System	24" x 30" System
Max. Plate Size:	12" x 18"	24" x 30"
Dimensions:	30" W x 27"D x 47"H	42" W x 40"D x 48"H
Weight:	230 lbs.	720 lbs.
Electrical:	120 volt/single phase/60 hz. 120 volt/single phase/60 hz.	

IMAGE MATE EXPOSURE UNITS

Model	Plate Capacity	Wattage	(W x H x D)
Image Mate 2428	24" x 28"	2500	42" x 48" x 34"
Image Mate 3040	30" x 40"	5000	53" x 48" x 40"

Comes with floor stand. Optional 10-drawer storage cabinet base available.
Electrical: Volts 208-240, 28 Amps, 5kw

Film, Chemicals & Accessories

Camera Film

For Tray and Rapid Access Development

KICF 1012	100 sheets 10"x12" per box
KICF 1114	100 sheets 11"x14" per box
KICF 1218	100 sheets 12"x18" per box
KICF 2024	100 sheets 20"x24" per box

Pos-E-Plate Developer

Sold in 1 gallon containers; add 6 parts water to 1 part concentrate. Case contains 4-one gallon containers.

Shipping: 1-16 gallons; Freight FOB Plant. 17+ gallons; Freight Prepaid.

Plate Protector

Express Guard Plate Protector (5 gallons - 18.9 liters)
Gum Arabic (1 gallon)
Visko Concentrate (1 quart)

Retouching Varnish

For retouching photoengraving plate .5 liter bottle

Photoresist

Hydro-Coat Photoresist 1 liter bottle
AQ Blue Photoresist 1 liter bottle

Descum Pads

Developer - Descum 4"x6" Pads 12 per case

Descum Chalk

Use for Descumming and cleaning plates 6 lb. can

Charcoal Blocks

Removes scratches from engraving plates (4-1/2" x 1-1/2" x 3")

Fume Eliminator

Use in Magnesium Bath to remove Nitric Fumes 35 lb. Pail

Terms of Sale

All Metal and Chemical Products

1. NET 30 DAYS from date of invoice
2. Discounts apply to 1 shipment - 1 destination
3. Terms and prices subject to change without notice.
4. A minimum handling/box charge of \$50.00 will apply to orders for less than standard case packing
5. Non-standard sizes and gauges of metals are available subject to quantity requirements. Such orders are not cancelable and are subject to a premium charge.

NOTE: Please Allow 7 Working Days For All Deliveries.

Experience the Difference!

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