

*Mel-Ray*  
INDUSTRIES



**2020 Edition**

Prices may be changed at any time without further notice.

# ABOUT US

***Mel-Ray Industries is a manufacturer of Aluminum and Wood Screens, scoop coaters, squeegees as well as a distributor of Screen Printing Supplies and Equipment.***

Mel-Ray Industries, located in Central Florida, has been serving the Screen Printing Industry since the mid-80's. For over **35 years**, Mel-Ray Industries has been meeting the business needs of screen printers, whether they are seasoned professionals or just starting out in their new screen printing business. We are a manufacturer of wood and aluminum screens, scoop coaters and squeegees as well as a distributor of screen printing supplies and equipment. We only use wood, aluminum and other materials, **Made in the U.S.A.**, to build these products.

We have the capability to manufacture standard and custom sized screens in either wood or aluminum. Mel-Ray Industries uses SAATI mesh, which is offered in white and/or dyed mesh counts from 24 and up to 420. We also manufacture scoop coaters up to 144" in length and squeegees up to 72" long, which are offered in various hardness values including but not limited to 60, 70 and 80 durometer values.

Mel-Ray Industries is a distributor of plastisol ink products manufactured by **International Coatings**. Our company is also a distributor for products manufactured by **SAATI**, including emulsions, screen reclaiming products, squeegee blade as well as other screen printing products. We are also the only Florida based distributor for **Franmar** Chemicals, which manufactures environmentally (and Human) friendly textile screen printing products used to reclaim and clean screens. In addition to the items listed above we also distribute Camie branded aerosol products as well as paper, films, tapes, pallet tapes and many other items.

If you are in need of equipment we are a distributor of screen printing equipment manufactured by Vastex, Workhorse Products, Black Line Manufacturing and Black Body/BBC Industries.



# TABLE OF CONTENTS

<b>SCREENS</b> .....	<b>2</b>
<b>SQUEEGEES &amp; SCOOP COATERS</b> .....	<b>3</b>
<b>PLASTISOL INKS</b> .....	<b>4</b>
<b>PLASTISOL INK ADDITIVES</b> .....	<b>6</b>
<b>RECLAIMING CHEMICALS</b> .....	<b>9</b>
<b>EMULSION</b> .....	<b>11</b>
<b>FILMS</b> .....	<b>12</b>
<b>ACCESSORIES</b> .....	<b>13</b>

## Economy Grade Aluminum Screens

- Light weight
- Great for rear clamping press
- Good for dip tank

	Mesh Count									
Size	86	110	125	155	173	200	230	280	305	355
20x24	23.99	21.75	22.50	23.25	23.99	24.75	25.75	28.75	30.25	36.75
20x28	26.75	24.50	25.25	26.00	26.75	27.50	28.50	31.50	32.00	39.50
23x31	29.50	28.25	28.75	29.50	30.25	31.25	31.99	34.50	35.75	45.50
25x36	48.75	47.50	48.50	49.99	50.99	52.75	56.50	62.75	65.75	70.25

### Mel-Ray Industries now proudly offers Saati Hi-Dro Mesh (compares to S-mesh)

Size	110	125	155	200	230	305	
20x24	24.75	25.50	28.25	27.75	28.75	33.25	- Better ink coverage with reduced ink consumption - Achieve better details & halftone performance
23x31	31.75	32.25	33.00	34.50	35.50	39.25	- Faster print speeds and reduced squeegee pressure - Less tendency for water-based inks to dry in screen - Plasma treated to improve stencil adhesion & durability

## Upgrade your order to **Aluminum FOREVER Screens™**

Mel-Ray aluminum FOREVER Frames™ are guaranteed for life. If the frames ever wear out as a consequence of our RAPID Restretch service, we'll replace them free of charge.

20x24 Upgrade to Forever Frame - add \$2.50/ea    23x31 Upgrade to Forever Frame - add \$3.50/ea  
20x28 Upgrade to Forever Frame - add \$3.00/ea    25x36 Upgrade to Forever Frame - add \$5.00/ea



## Mel-Ray Professional Grade WOOD Screens Highest Quality and Long Lasting!

	Mesh Count									
Size	86	110	125	155	173	200	230	280	305	355
20x24	20.50	19.75	20.50	21.75	22.25	22.75	24.00	28.00	28.50	35.25
23x31	26.50	25.50	26.50	27.75	28.50	29.50	31.50	34.50	37.75	47.75
25x36	35.00	33.25	35.00	36.75	37.75	38.75	42.00	43.25	44.00	62.25

## Economy Grade WOOD Screens Great Value! Suitable for side clamping presses.

	Mesh Count									
Size	86	110	125	155	173	200	230	280	305	355
20x24	17.75	16.99	17.75	18.99	19.50	19.99	21.25	25.25	25.75	32.50
23x31	23.50	22.50	23.50	24.75	25.50	26.50	28.50	31.50	34.75	44.75
25x36	30.75	28.99	30.75	32.50	33.50	34.50	37.75	38.99	39.75	57.99

**Other available stock sizes: 18x20, 19x21, 20x20, 20x26.**  
**Other sizes & mesh counts are available & No Extra Charge for Dyed Mesh.**

- |   |   |   |
|---|---|---|
| <input checked="" type="checkbox"/> Inks      | <input checked="" type="checkbox"/> Films     | <input checked="" type="checkbox"/> Restretches   |
| <input checked="" type="checkbox"/> Emulsion  | <input checked="" type="checkbox"/> Equipment | <input checked="" type="checkbox"/> Squeegees     |
| <input checked="" type="checkbox"/> Chemicals | <input checked="" type="checkbox"/> Screens   | <input checked="" type="checkbox"/> Scoop Coaters |

**Mel-Ray** has 3 ways to order:  
- Online at [www.melray.com](http://www.melray.com)  
- Phone: 386-698-4414  
- Fax: 386-698-4417

## Looking for equipment?

Mel-Ray Industries offers manual and automatic presses, conveyor dryers, flash units, exposure units and reclaim equipment. Call or email for your quote today!



Scan here for  
a good time!





## WOOD HANDLED SQUEEGEES

### SELECTING A SQUEEGEE

Mel-Ray offers 60, 70 and 80 durometer squeegees. Other durometers are available as special order items. In general, use a softer squeegee for softer and rough print surfaces and harder squeegees for harder or smooth surfaces. Softer squeegees will also deposit more ink. Select a 60 or 70 durometer squeegee for t-shirts and other textiles and 70 or 80 durometer squeegees for sign work. Images that contain a lot of detail will print sharper using the harder (higher durometer) blades. Select a squeegee length about an inch longer than image width while still maintaining plenty of free mesh area on either side of the squeegee. Two inches or more of free mesh area is suggested. If the squeegee is too long the screen mesh's flex and snap off will be reduced, prints will smear and the mesh may be torn at the frame edges.



### SQUEEGEE CARE

The squeegee is made of urethane which will absorb solvents from ink and cleaners. Change out your squeegees every four hours or so when running long jobs and do not let them soak in cleaners for any period of time. Clean the squeegee as quickly as possible and dry completely. Let freshly cleaned squeegees rest for one(1) to two(2) days for all absorbed solvents to dry out. When the edge of a squeegee gets dull or rounds off it will produce a heavier ink deposit. This can be useful for printing underbases on dark shirts but may smear fine details. Replace dull blades or have them sharpened.

5"..... \$6.90	12"..... \$16.56	16"..... \$22.08	19"..... \$26.22
6"..... \$8.28	14"..... \$19.32	17"..... \$23.46	20"..... \$27.60
10"..... \$13.80	15"..... \$20.70	18"..... \$24.84	24"..... \$33.12

## SCOOP COATERS

Scoop coaters are used to produce a smooth and consistent emulsion coating on your screens. Melray's scoop coaters are made from precision extruded aluminum and feature two different edges. Use the sharp edge for thin coatings and the rounded edge for heavy emulsion buildup.

11"..... \$13.75	18"..... \$22.50
13"..... \$16.25	19"..... \$23.75
15"..... \$18.75	20"..... \$25.00
16"..... \$20.00	21"..... \$26.25
17"..... \$21.25	25"..... \$31.25



## PLASTISOL INKS



### 700 Series Standard Direct Print Inks

The 700 Series includes a versatile selection of high-pigment (HP) colors for dark fabrics, standard colors for light fabrics and a soft-hand additive that can be mixed with the inks to soften the feel of a print. The economically priced 700 series produces excellent results in almost any printing situation but is at its best on automated equipment.

#### Cost: Quart / Gallon

723 Lemon Yellow \$32.50 / \$65.00	793 Scarlet HP \$39.00 / \$78.00	789 Chocolate \$34.00 / \$68.00	773 Kelly Green \$32.50 / \$65.00	724 ProBrite Yellow \$31.00 / \$62.00
791 Lemon Yellow HP \$42.50 / \$85.00	737 Dark Orange \$39.50 / \$79.00	788 Brown \$35.00 / \$70.00	775 Dallas Green \$31.00 / \$62.00	743 ProBrite Magenta \$31.00 / \$62.00
727 Golden Yellow \$34.00 / \$68.00	746 Scarlet \$31.00 / \$62.00	762 Light Blue \$31.50 / \$63.00	706 Purple \$31.50 / \$63.00	764 ProBrite Cyan \$31.00 / \$62.00
797 Golden Yellow HP \$45.75 / \$91.50	745 Dallas Red \$35.50 / \$71.00	766 Royal \$30.50 / \$61.00	760 Columbia Bl. \$33.50 / \$67.00	784 ProBrite Black \$32.09 / \$64.17
726 Gold \$42.50 / \$85.00	755 Maroon \$45.50 / \$91.00	768 Navy \$33.50 / \$67.00	718 Matte Black \$27.95 / \$55.89	
730 Burnt Orange HP \$40.00 / \$80.00	756 Maroon \$64.75 / \$129.50	765 Ultra Blue \$34.50 / \$69.00	712 Light Grey \$33.50 / \$67.00	
777 Lime \$39.50 / \$79.00	769 Teal \$33.50 / \$67.00	776 Dark Green \$36.00 / \$72.00	783 Tan \$34.50 / \$69.00	

### 7600 Series Standard Direct Print Inks

The 7600 Series inks are ready to use, high performance inks well suited for high definition and resolution printing. Excellent for half-tone printing or designs with high detail. The ink is creamy and short bodied with low tack and for ease of printing, a greatly improved shear. These inks cure at 275 degrees and can be used on a variety of fabrics!

7623 Lemon Yellow \$35.50 / \$71.00	7606 National Red \$41.00 / \$82.00	7624 Light Royal \$39.00 / \$78.00	7673 Kelly Green \$33.00 / \$66.00	7604 Rebel Red \$40.50 / \$81.00
7697 HP LB Gold \$58.00 / \$116.00	7646 Scarlet \$35.50 / \$71.00	7666 Royal Blue \$35.50 / \$71.00	7630 Dark Grey \$31.50 / \$63.00	7602 Super Lt Gold \$45.50 / \$91.00
7607 LB Golden Yellow \$66.75 / \$133.50	7628 Super Drake Red \$42.50 / \$85.00	7668 Navy \$37.00 / \$74.00	7617 Low Build Black \$28.98 / \$57.96	7632 Light Grey \$33.50 / \$67.00
7620 Clockwork Orange \$46.75 / \$93.50	7616 Graphics Purple \$39.00 / \$78.00	7608 Bear's Navy \$37.00 / \$74.00	7637 Pink \$36.00 / \$72.00	7681 Vegas Gold \$32.00 / \$64.00
7626 Bright Orange \$42.00 / \$84.00	7618 Island Blue \$38.50 / \$77.00	7610 Dark Navy \$46.75 / \$93.50	7684 Texas Orange \$35.50 / \$71.00	7660 Columbia Blue \$35.50 / \$71.00
7627 Golden Yellow \$38.00 / \$76.00	7656 Maroon \$43.50 / \$87.00	7689 Chocolate \$33.00 / \$66.00	7672 Dallas Green \$41.00 / \$82.00	



## PLASTISOL INKS



# CREATE ANY COLOR IN YOUR OWN SHOP!



All you need is a scale and International Coating's FREE online ink mixing tool.

### 7500 Ultramix System Inks

The 7500 Series inks are used as part of the 7500 UltraMix system. Features include: High Performance, Low Bleed (LB) plastisol formulated for Ultra highspeed wet-on-wet automatic printing. • Very creamy and short bodied ink with low tack, and for ease of printing, a greatly improved shear. • Well suited for fine detail and halftone printing using finer mesh counts. • Faster production speeds with less pressure, and extremely resistant to ink build-up.

 7503 Yellow \$40.50 / \$81.00	 7513 Blue A \$32.00 / \$64.00	 7523 FL Blue \$40.50 / \$81.00	 7533 FL Pink \$41.00 / \$82.00
 7505 Scarlet \$40.50 / \$81.00	 7515 Blue B \$36.00 / \$72.00	 7525 FL Green \$38.00 / \$76.00	 7535 FL Red \$41.00 / \$82.00
 7507 Red \$41.50 / \$83.00	 7517 Green \$32.50 / \$65.00	 7527 FL Yellow \$42.50 / \$85.00	 7536 Black \$28.98 / \$57.96
 7509 Violet \$44.00 / \$88.00	 7519 FL Magenta \$41.00 / \$82.00	 7529 FL Lemon \$40.00 / \$80.00	 7538 White \$37.78 / \$75.56
 7511 Marine Blue \$36.00 / \$72.00	 7521 FL Violet \$40.00 / \$80.00	 7531 FL Orange \$42.00 / \$84.00	

Cost: Quart / Gallon

## PLASTISOL INKS

### Specialty Plastisols, Glitters & Metallic Colors

Cost: Quart / Gallon

	155 Crystalina Shimmer \$51.50 / \$103.00		151 Gold Glitter \$48.75 / \$97.50
	96 Metallic Silver \$40.00 / \$80.00		157 Gold Shimmer \$51.00 / \$102.00
	156 Silver Shimmer \$46.75 / \$93.50		92 Metallic Gold \$50.50 / \$101.00
	150 Silver Glitter \$46.75 / \$93.50		507 Optilux Reflective \$94.00 / \$235.00
	108 Glow In-The-Dark \$107.00 / \$214.00		Optilux Coupler (8 oz) \$21.00/ea



## PLASTISOL INK ADDITIVES/BASES

### 220 Puff Additive

Use International Coatings' 220 Puff Additive to add texture and interest to a design. The ink will puff up (or raise) when it is cured. Experiment with different mesh sizes or higher temperatures to create unique looks.

\$87.50 / \$175.00

### 720 Softhand Clear Base

Add the 720 Softhand Clear Base to general purpose plastisol inks for improved hand, reduced cost and printability. 720 Softhand Clear Base is very clear and is also recommended for extending any process colors, especially our Pro-Brite Process Colors.

\$28.50 / \$57.00

### 1110 Curable Reducer

International Coatings' 1110 Curable Reducer will lower the viscosity of plastisol inks without affecting the fusing characteristics. 1110 Curable Reducer can also help in reducing ink build-up on the back of successive screens when printing wet on wet.

\$26.50 / \$53.00

### 3804 Low Cure Additive

3804 Low Cure Additive effectively lowers curing temperatures of most plastisol inks to *less than* 300° F (149° C). Use the 3804 Low Cure Additive when printing heat-sensitive materials such as 100% polyester or non-woven polypropylene bags. Ideal for printing athletic and synthetic fabrics that are prone to dye migration.

\$34.00 / \$68.00

### 3805 Super Stretch Clear

3805 is used to increase the stretch properties of plastisol ink that is printed on fabric containing Lycra/Spandex. Add to plastisol ink at the rate of 10%-25%. Testing and washing should always be done before starting a production run.

\$31.00 / \$62.00

### 1199 Stretch Additive

Mixing of the 1199 additive into the ink may be done by volume or by weight. When mixing by volume, the ratio is 2 parts ink to 1 part additive. By weight the ratio is 3 parts ink to 1 part additive. For opaque inks, mixing by weight is highly recommended for best results.

\$33.50 / \$67.00

### 3816 Senti Clear

3816 Senti Clear can be added to 700 Series, 7600 Series, 7500 Mixing Inks, Pro-Brite process inks for improved hand, cost and printability. Mix with opaque colors to reduce cost, opacity and increase color clarity.

\$25.50 / \$51.00

## WHITE INKS

### 7022 Cool White

7022 Cool White is part of the Flexcure product group which offers the “flexible” curing range, from a low 275 degrees to a standard 325 degrees making this suitable to work with multiple types of ink. Can be printed on a variety of substrates from cotton, blends, 100% polyester and synthetic fabrics such as nylon bags, non-woven polypropylene and polyester sheathing.

**Quart: \$34.94 / Gallon: \$77.63 / 5 Gallon: \$341.55**

### 7007 Knock Out White

7007 Knock Out Low Bleed White was formulated to make printing opaque white easy. Hand printing is less tiring because less squeegee pressure is needed. The result is improved operator performance. Automatic equipment can be adjusted to lower pressure settings, thus improving screen life, squeegee durability and overall print quality.

**Quart: \$26.35 / Gallon: \$58.50 / 5 Gallon: \$247.50**

### 7038 Blaze White

7038 Cotton White textile screen printing ink was developed to provide a cost-effective option for printing on 100% cotton fabrics without skimping on quality or performance. The new 7038 Cotton White has a very creamy viscosity and resists ghosting and fabric discolorations.

**Quart: \$27.28 / Gallon: \$60.55 / 5 Gallon: \$256.15**

### 7014 Legacy White

7014 Legacy White is press ready and is very opaque with the subsequent print producing a matte finish, has good bleed blocking characteristics, can be used on 100% cotton and 50/50 poly/cotton blends, is very creamy, short-bodied and can easily be printed through a variety of mesh counts resulting in a soft feel. It also flashes very fast and offers excellent wash-fastness.

**Quart: \$34.94 / Gallon: \$77.63 / 5 Gallon: \$341.55**

### 711 Classic White

711LF Classic White is a low-bleed, low fusing, fast flashing, low tack, high pigment white plastisol screen printing ink good for 100% cotton, cotton/polyester blends and polyester. This white has a very creamy viscosity and is very easy to print. This results in less pressure needed to print the ink through the screen. 711 is a truly “white” white, without any objectionable odor and it contains no bleaching agents and is superior in performance to other low bleed inks.

**Quart: \$40.53 / Gallon: \$90.05 / 5 Gallon: \$403.65**

### 741 Ultra Low Bleed White

741LF Ultra Low Bleed White Ink is a plastisol ink specifically formulated to help block dye migration problems on various problem polyester content fabrics. Recommended for 100% polyester.

**Quart: \$44.51 / Gallon: \$98.84 / 5 Gallon: \$447.65**

### 7113 Performance Pro White

7113 Performance Pro White ink allows printers to print on a variety of today's popular performance fabrics, including 100% Polyester, Poly-blends, moisture management, and stretch fabrics. This ink was specifically designed in response to customer demand for an ultra low bleed, non-phthalate, low cure ink that could be printed on performance fabrics and other sports-related garments. Cures at 285 to 300 degrees.

**Quart: \$51.24 / Gallon: \$113.85 / 5 Gallon: \$522.70**

### 7031 Ultra White

Ultra White 7031LF is a high performance, high pigment (HP), low bleed (LB) white plastisol formulated for ultra high speed printing on 100% cotton. Features a very creamy, short bodied, low tack with greatly improved shear for ease of printing. High opacity ink that is optically very bright and well suited for high definition and resolution, fine detail and halftone printing. It will deliver faster production speeds with less pressure, and can be printed through finer mesh counts.

**Quart: \$36.33 / Gallon: \$80.73 / 5 Gallon: \$357.10**

### 7538 Mixing White

High Performance, Low Bleed (LB) plastisol formulated for Ultra high speed wet-on-wet automatic printing. Economically priced, this ink is suitable for automated and manual presses.

**Quart: \$37.78 / Gallon: \$75.56 / 5 Gallon: \$320.00**

Order online at [www.melray.com](http://www.melray.com), by phone at 386-698-4414 or email your order to [orders@MelRay.com](mailto:orders@MelRay.com)

Pricing is subject to change without further notice.

## PRESS WASH

### SaatiChem PW4

Press wash for plastisol inks

- When wiped with 100% cotton rag, masking tape will stick immediately
- Remove spray tack adhesive
- Will not lock up plastisol resistant emulsions
- Pleasant orange scent

**Quart \$16.64**  
**Gallon \$57.88**  
**5 Gallon \$231.50**



### Franmar Color Change

For changing colors or opening clogged mesh areas during a run, Franmar formulated this revolutionary product that cleans efficiently without the negative safety and environmental impacts of aerosol chemicals.

**Quart \$21.95**  
**Gallon \$76.95**  
**5 Gallon \$360.95**



## INK DEGRADENTS

### SaatiChem IR4

Ink Remover 4 is drain safe and bio-degradable. The product has a light orange odor, and is slightly viscous to help it cling to the screen. Recommended for plastisol and nylon inks.

**Quart: \$11.05 / Gallon: \$34.40 / 5 Gallon: \$154.35**

### SaatiChem IR14

Ink Remover 14 is drain safe and bio-degradable. The product has virtually no odor and works well with pure SBQ photopolymer emulsions such as Textile PV. Recommended for plastisol, nylon and waterbased inks.

**Quart: \$12.35 / Gallon: \$42.30 / 5 Gallon: \$168.55**

### SaatiChem IR18

Ink Remover 18 is drain safe and bio-degradable. This product has a pleasant vanilla scent and is designed for newer phthalate free inks. Can be reapplied post stencil removal as a stain remover. Recommended for plastisol, solvent, UV, waterbased inks.

**Quart: \$15.34 / Gallon: \$53.35 / 5 Gallon: \$213.42**

### Franmar Bean-E-Doo

This product offers screen cleaners everything they need in a textile ink-cleaner; cleaning power, no harsh odors, and effectiveness. This product is also both drain and septic safe. Made from 100% American grown soybeans.

**Quart: \$14.95 / Gallon: \$34.95 / 5 Gallon: \$152.95**

### Franmar Greeneway

An economical and powerful cleaner, originally designed for recirculation tanks, Greeneway is unmatched in cost effectiveness as it can be diluted up to 50% with water. This product is also both drain and septic safe. Made from 100% American grown soybeans.

**Quart: \$18.95 / Gallon: \$67.95 / 5 Gallon: \$324.95**

## OTHER CHEMICALS

### Franmar Ickee Stickee Unstuck

Safe and effective adhesive remover for overspray on your machine and removing fleece and lint from pallets.

**Quart: \$20.95 / Gallon: \$65.95 / 5 Gallon: \$290.95**

### Franmar Scorch E Doo

Scorch-e-doo is formulated to easily and quickly remove scorch marks. It's the best performing and environmentally safe choice in today's market. Spray it on and send it back through at a reduced heat and the scorch mark disappears.

**Quart: \$10.95**

### Franmar D-Grease

Super-fast drying surface cleaner that is ideal for removing any residue of cleaning solvents left on your screen. Also removes any oils on the mesh to aid in eliminating pin-holes.

**Quart: \$7.95 / Gallon: \$16.95 / 5 Gallon: \$73.95**



**Most products are available in quarts, gallons and 5 gallon quantities.**

## **MESH STAINS 101 - A GUIDE TO KEEPING MESH FREE OF GHOST IMAGES**

**1) What causes stains?** Stains are caused by ink or emulsion getting stuck between the “knuckles” of the mesh. Stains can be “set in” by using solvents that flash off quickly and allow the pigment to bake onto the mesh while a chemical evaporates off.

**2) How do I avoid them?** Avoid “hot solvents” like screen opener, mineral spirits and lacquer thinner. Press wash is a suitable replacement that allows the pigment to wick off the screen when wiping.

**3) What chemical is best?** Use the right product for the problem at hand! If the stain is the color of your emulsion, use a dehazer. Caustic formulas, like Saati HR3 will give more noticeable results but they damage mesh and glue so keep contact down to a minimum. If the stain is the color of the last ink used, clean again with ink degradent or a combination of ink degradent and a non-caustic dehazer such as HR6.

## **DEHAZER/GHOST REMOVER**

### **SaatiChem HR3**

Super effective white paste haze remover almost any ink type. Paste helps keep chemical in the image area instead of easily rinsing down.

Quart: \$26.80 / Gallon: \$61.95 / 5 Gallon: \$258.85

### **SaatiChem HR6**

HR6 is non-caustic and has a pleasant cherry scent. Product is a gel to keep product in image area and away from meshed frame edges preventing damage to mesh adhesion.

Quart: \$16.70 / Gallon: \$52.87 / 5 Gallon: \$211.47

### **NBG 2505 Haze Reducer Gold**

2505 Haze Reducer Gold is an aggressive formulation used to remove haze and ghost images from reclaimed screens prior to degreasing. Prevent mesh damage by rinsing within 10 minutes of application. Use with gloves and eye protection.

Gallon: \$41.99

### **Franmar D-Haze**

A non-caustic, non-toxic product that will not damage the mesh even after years of use. Made from 100% American grown soybeans.

Quart: \$18.95 / Gallon: \$59.95 / 5 Gallon: \$275.95



## EMULSION REMOVER

### SaatiChem Remove ER1

- SMP Powder concentrate
  - Dissolve Remove ER1 in water. Add 1 part Remove ER1 to one hundred parts water for normal use and 1 part Remove ER1 to fifty parts water to reclaim more stubborn stencils
  - Suitable for manual cleaning and dip tanks.
- 2 lb. Container: \$119.00**

### SaatiChem Remove ER2

- Highly Concentrated Stencil Remover
  - By volume, dissolve one part SaatiChem Remove 2 in 35 parts water (1 to 25 by weight).
- Quart: \$113.75 / Gallon: \$473.33**

### SaatiChem Remove ER6

- Our most versatile One-step ink/emulsion combo remover for manual and automatic cleaning
  - Effectively cleans all types of textile inks and emulsions
  - Easy to use one step ink and emulsion remover with low odor
  - Suitable for manual (1:3) and dip tank (1:10)
- Gallon: \$40.07 / 5 Gallon: \$183.65**

### Franmar Strip-E-Doo

- Our most versatile One-step ink/emulsion combo remover for manual and automatic cleaning
  - Effectively cleans all types of textile inks and emulsions
  - Easy to use one step ink and emulsion remover with low odor
  - Suitable for manual cleaning
- Quart: \$14.95 / Gallon: \$39.95 / 5 Gallon: \$181.95**

### Franmar One Step Clear

- Cleans 300-600 Screens Depending on Tank/Screen Size
  - Effectively cleans all types of textile inks and emulsions
  - Long-Lasting (up to 6 months)
  - Suitable for dip tanks
- 2.5 Gallon: \$89.95 / 5 Gallon: \$149.95**

### CONCENTRATES YIELD MORE SAVINGS!

Below are the cost per gallon once product is diluted with water:

Saati **ER1** SMP Crystals: \$3.72

Saati **ER2** Liquid: \$9.47

**ER6** at 1:3 for manual cleaning: \$10.01

**ER6** at 1:10 for dip tanks: \$3.64

Franmar **One Step Clear**: \$4.28

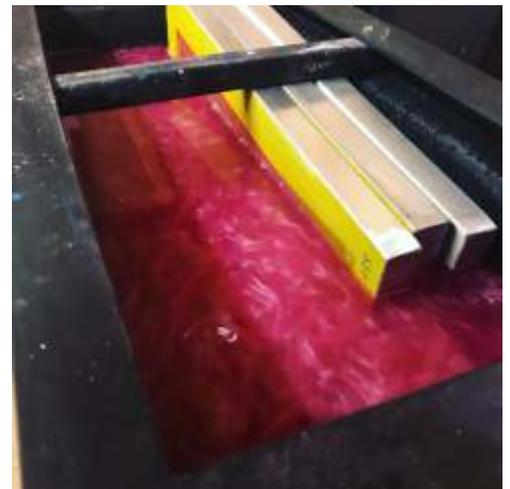
## DIP TANKS: ARE THEY RIGHT FOR YOU?

People often ask if it is better to clean screens manually or with a dip tank. The answer depends on many variables you should consider when determining if a dip tank is right for you.

1) *Do you work alone?* If yes, then you probably want to devote a majority of your time to printing and not cleaning. A dip tank will help speed the process by allowing you to pressure wash a screen while others are soaking/softening. However, dip tanks use more chemical because it clings to screens as they exit and due to evaporation. Cleaning each screen manually is more labor but saves a considerable amount of chemical.

2) *Do you easily damage screens?* If yes, you may want to avoid a dip tank. When pulling a screen from a dip tank, if a corner of the frame brushes across open mesh on another frame it can pop it. Also, the chemicals that help remove ink that are in "combination ink/emulsion removers" can also attack the CA glue that holds the mesh to your frame.

3) *Do you have wood frames?* If yes, you definitely want to avoid a dip tank. Wood frames absorb the chemicals and stains and will rapidly warp and deteriorate. Dip tanks are ideal for aluminum screens but be aware, if your screen has been remeshed several times or clamped down on too hard in a press, the corner welds can be compromised allowing water to rush into the frame....and eventually leaking onto your exposure unit, drying rack or on the press!



## TEXTIL

### SaatiChem Textile PV

Red pure photopolymer direct emulsion resistant to plastisol ink, abrasion and humidity. Excellent print definition on any mesh. 42% solids content and exposes eight times faster than a diazo or dual-cure emulsion.

**Quart: \$28.35 / Gallon: \$85.02 / 5 Gallon: \$288.75**

### SaatiChem Textil PC Blue

Blue one part pure photopolymer emulsion resistant to plastisol ink, abrasion and humidity. Exposes 8X faster than typical two part emulsions. 50% solids content and medium viscosity for fast build up and good bridging on wide range of mesh counts. No mixing required and no diazo staining of mesh.

**Gallon: \$60.00**

### SaatiChem Textil PHU

Universally resistant, can be used with solvent based, UV, and water based inks, yet is easy to reclaim. Recommended for use with discharge inks as is, without using diazo or catalyst for stencil hardening. Has a 45% solids content and a two year shelf life!

**Gallon: \$83.48**



## GRAFIC

### SaatiChem Grafic HU42

Dual-cure direct emulsion for printing UV cured, plastisol and solvent based inks. Product has excellent print definition on any mesh and upon drying, stencils lack the tackiness typical of dual-cure emulsion so it won't stick to your exposure unit glass! Has a 42% solids content and 3 month shelf life post mixing.

**Quart: \$23.89 / Gallon: \$71.68**

### SaatiChem Grafic PU

Blue pure photopolymer emulsion resistant to UV-cured, plastisol and solvent-based ink. Water resistant when post-exposed. High solids content (50%) and medium viscosity for excellent print definition on any mesh. Exposes 4 times faster than diazo or dual-cure emulsions with no mixing required.

**Quart: \$28.37 / Gallon: \$94.68 / 5 Gallon: \$440.29**

## DARK ROOM SUPPLIES

### SaatiChem Finish S1 Liquid Blockout

Economical red blockout/filler for use with solvent-based, UV-curable, and plastisol ink. Reclaims easily with water. Can be applied with a brush or carded on with a hard squeegee.

**Quart: \$9.92**

**Gallon: \$29.74**

### Liquid Blockout Pen

Green blockout pen provides pin-point accuracy for filling in pinholes or correcting a stencil. For use with plastisol inks. Single use - non refillable.

**1 Pen: \$9.00**



### SaatiChem Fixer 9

Works as an emulsion hardener with water-resistant emulsions to make a more durable stencil to avoid breakdowns on long print runs. Caution: fumes from coated screen can harden other stencils during the drying phase, allow to dry away from other screens.

**Gallon: \$45.50**

### 21 Step Sensitivity Guide

Use this exposure guide to determine the proper exposure for any emulsion.

**\$16.05**



# FILMS

## INKJET

### Sc4 Inkjet Film

SC4 is a Computer-to-Film media for making stable polyester film positives to burn screens. Epson printers using dye based ink sets are recommended.

- 8.5" x 11" (100 Ct.) : \$44.34
- 8.5" x 14" (100 Ct.) : \$56.43
- 11" x 17" (100 Ct.) : \$88.68
- 13" x 19" (100 Ct.) : \$117.13



### Uc5 Inkjet Film

UC5 is Computer-to-Film media for making stable polyester film positives to burn screens. Epson printers using dye based or pigment based inks are recommended.

- 8.5" x 11" (100 Ct.) : \$57.96
- 11" x 17" (100 Ct.) : \$115.92
- 13" x 19" (100 Ct.) : \$153.12
- 17" x 100' (roll) : \$124.02



## LASER

### Laser Photo Film

LaserPhoto Film is Computer-to-Film media for making stable polyester film positives to burn screens. A laser printer is needed to image this film.

- 8.5" x 11" (100 Ct.) : \$41.39
- 8.5" x 14" (100 Ct.) : \$52.67
- 11" x 17" (100 Ct.) : \$89.65
- 13" x 19" (100 Ct.) : \$118.42
- 17" x 22" (100 Ct.) : \$113.84



### Laser Photo Paper

LaserPhoto Paper is Computer-to-Film media for making vellum paper positives to burn screens. A laser printer is needed to image this translucent paper. Your screens will need longer exposure times since this media is not transparent.

- 8.5" x 11" (100 Ct.) : \$18.00 (250 Ct.) : \$35.00 (500 Ct.) : \$62.95
- 8.5" x 14" (100 Ct.) : \$20.00 (250 Ct.) : \$41.00 (500 Ct.) : \$73.95
- 11" x 17" (100 Ct.) : \$32.00 (250 Ct.) : \$64.00 (500 Ct.) : \$109.95
- 12" x 19" (100 Ct.) : \$40.00 (250 Ct.) : \$84.00 (500 Ct.) : \$128.00



**Tired of films?  
Mel Ray also offers Direct  
to Screen imaging systems!  
Contact us for more  
info and pricing!**



## 2" Masking Tape

**Mel-Ray Masking Tape** is great for blocking screen edges on short runs or for covering pinholes on the artwork side of screens. Its low tack, easy-release adhesive leaves a minimum amount of residue on the screen frame.

**Roll: \$2.99 / Case: \$66.94**



## Pallet Protective Tape

Reduce pallet clean-up time by 75%. Pallet Protective tape protects your pallets from ink spills, leaks and spray adhesives, yet it removes easily at the end of a press run.

**16 Inch Roll: \$55.00 / 18" Roll: \$64.00**



## Test Squares

Test Squares or pells, are inexpensive cuts of cloth used to test registration of multiple color jobs prior to printing shirts. Test squares may also be used by printers to provide customers with a printed sample for approval.

**14x14 100 Ct: White: \$28.00 / Black: \$40.00**

**14x14 500 Ct: White: \$130.00 / Black: \$150.00**

**16x18 100 Ct: White: \$28.00 / Black: \$40.00**

**16x18 500 Ct: White: \$130.00 / Black: \$150.00**



## Scrub Brushes

Heavy duty scrub brushes for use with screen cleaning and reclaiming chemicals. Avoid cross contaminating chemicals by using a separate brush for each step of the reclaiming process. Buy a few or buy the case.

**Fused:**

**Single: \$2.50**

**Case of 24: \$50.25**

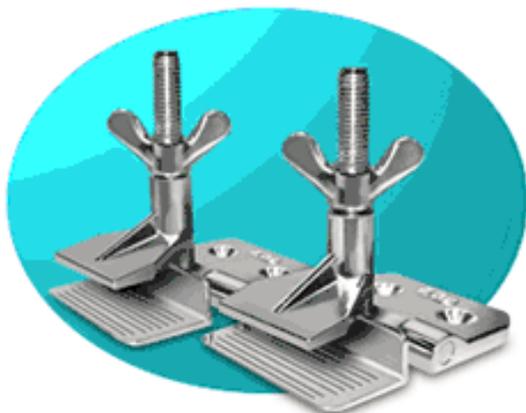
**Handle:**

**Each: \$1.50**

**Pad Only:**

**Each: \$1.25**

**Case of 24: \$22.80**



## Cast Hinge Clamps

These clamps and a piece of plywood are all you need to build your first print table. Use with any size metal or wood frames that are 5/8" to 2" thick.

**1 Pair: \$23.95**



## Vinyl Gloves

These gloves help protect your hands from chemicals and other harmful products. Still use precaution when handling harmful products as these are not 100% guaranteed. Box of 100 by weight.

**Box: \$10.50**

# MISCELLANEOUS

## AEROSOLS

### Pull Out 2 Ring Remover

PULL OUT 2 is powdered aerosol used to remove the ring or circle that sometimes remains after spot cleaner has been used.

Can: \$10.95 / Case: \$119.00

### Camie 480 Screen Opener

480 Screen Opener reduces downtime at the press by instantly opening plugged screens. Compatible with all types of inks

Can: \$6.99 / Case: \$72.69

### Camie 375 Flash Cure Adhesive

375 Flash Cure Adhesive is a clear mist spray used to secure garments to the press pallet prior to printing. It remains tacky after flashing, is repositionable and non-staining.

Can: \$7.95 / Case: \$86.19

### Camie 380 Mist Adhesive

380 Screen Printers Adhesive is a clear mist spray used to secure garments to the press pallet prior to printing. It remains pressure sensitive and is repositionable for multiple prints. Use this adhesive only when NOT using a flash between prints.

Can: \$7.95 / Case: \$84.59

### Camie 385 Web Adhesive

Camie 385 Webbing Screen Printers' Adhesive is a clear pressure-sensitive webbing adhesive that will not wrinkle the work while in use. Specifically designed for fleece and other high density garments

Can: \$7.95 / Case: \$84.59



## SPOT CLEANING

### Spot Cleaning Fluid

Premium blend spot cleaning solution that removes cured plastisol ink from garments. Also removes grease, soil & oil stains from any type of fabric. No VOC's, non-flammable, non-ozone depletor and fast drying.

Gal: \$25.99

## HAND CLEANERS

### SaatiChem HC8

Pink water-based lotion with a pleasant cherry scent and powerful solvency to remove all inks. Contains abrasive to accelerate the removal of difficult soils. Triple blend of emollient, moisturizer and conditioner to protect the skin and prevent chapping or drying through repeated use. Comes with a hand pump for easy dispensing.

Gallon: \$38.96

### Crazy Clean Hand Wipes

A water-based hand and surface cleaner that cuts through tar, grease, wax, ink, paint, lubricants and adhesives.

Aggressive, citrus scented towels are industrial strength, yet gentle enough for your hands, as they are fortified with an emollient and natural oils.

70 Ct Container: \$14.99



## WB ADHESIVE

### Saati Ultrafix PT

Ultra Fix is a water-based pressure sensitive pallet adhesive. It is non-staining and non-flammable.

Can be diluted up to 50% with water!

Gal: \$55.65



# SAATI CHEMICALS TECH TIP: SCREEN RECLAIM STEP-BY-STEP



PRINTING AND INK  
REMOVAL PRIOR  
TO RECLAIMING  
18

RETOUCHING  
AND SCREEN  
PREPARATION  
PRIOR TO  
PRINTING  
17

EXPOSE SCREEN  
AND DEVELOP  
IMAGE  
16

DRY SCREEN &  
COAT EMULSION,  
OR APPLY  
CAPILLARY FILM,  
THEN DRY  
15



1. Apply Saati Chemicals Ink Remover to both sides of screen
2. Brush Saati Chemicals Ink Remover into ink on squeegee side of screen
3. Brush Saati Chemicals Ink Remover into ink on substrate side of screen
4. Water rinse ink residue from both sides of screen
5. If using a water resistant stencil, screen may be catalogued at this point
6. Apply Saati Chemicals Stencil Remover to both sides of screen
7. Allow Saati Chemicals Stencil Remover to dwell for one minute
8. Brushing Stencil Remover will help to remove difficult stencils
9. Rinse screen thoroughly using a high-pressure washer
10. If needed, apply Saati Chemicals Haze Remover, let dwell 3-5 minutes
11. High-pressure rinse from bottom to top
12. Apply Saati Chemicals Direct Prep to one side of screen, brush both sides
13. Rinse screen
14. Flood rinse screen with garden hose to remove all residue

# OUR POLICIES

## Shipping Policy

All items are shipped using standard UPS ground rates unless you qualify for flat rate \$10 shipping. To see if you qualify, please call 386-698-4414 and speak with a sales associate. If the shipping cost for your order seems very high it may be because the total size or weight of your items is large. Shipping cost may be lower by placing two or more smaller orders. We will normally pack large orders in several manageable boxes to avoid high shipping fees.

## Exchanges and Returns

If for any reason you are unsatisfied with your purchase please call 386-698-4414. Returns and exchanges are handled on a case by case basis

## Price Match Guarantee

Mel-Ray industries will price match any competitor's price on any Saati, Franmar, Matsui or International Coatings product. Excludes closeout or discount items, eBay items and direct from manufacturer pricing. If for any reason we are unable to meet our competitor's price we will offer a FREE scoop coater (max length 18").



- |  |  |  |
|--|--|--|
| <input checked="" type="checkbox"/> <b>Inks</b>      | <input checked="" type="checkbox"/> <b>Films</b>     | <input checked="" type="checkbox"/> <b>Restretches</b>   |
| <input checked="" type="checkbox"/> <b>Emulsion</b>  | <input checked="" type="checkbox"/> <b>Equipment</b> | <input checked="" type="checkbox"/> <b>Squeegees</b>     |
| <input checked="" type="checkbox"/> <b>Chemicals</b> | <input checked="" type="checkbox"/> <b>Screens</b>   | <input checked="" type="checkbox"/> <b>Scoop Coaters</b> |

**Mel-Ray** has 3 ways to order:

- Online at [www.melray.com](http://www.melray.com)
- Toll Free 800-367-8834
- Fax 800-201-3884



**Mel-Ray** has 4 ways to order:

Online: [www.MelRay.com](http://www.MelRay.com)

Phone: 386-698-4414

Fax: 386-698-4417

Email: [orders@MelRay.com](mailto:orders@MelRay.com)

## PRE MIXED WATERBASED INKS

Color shown is printed on white



Matsui 301 RC Blue 072  
Quart: \$19.20 / Gallon: \$61.20



Matsui 301 RC Green  
Quart: \$19.90 / Gallon: \$61.20



Matsui 301 RC Orange 21  
Quart: \$21.70 / Gallon: \$66.65



Matsui 301 RC Purple  
Quart: \$23.15 / Gallon: \$71.20



Matsui 301 RC Reflex Blue  
Quart: \$19.90 / Gallon: \$61.20



Matsui 301 RC Rhodamine Red  
Quart: \$24.95 / Gallon: \$76.70



Matsui 301 RC Rubine Red  
Quart: \$23.75 / Gallon: \$73.05



Matsui 301 RC Spot Black  
Quart: \$16.05 / Gallon: \$49.30



Matsui 301 RC Violet  
Quart: \$19.90 / Gallon: \$61.20



Matsui 301 RC Warm Red  
Quart: \$20.85 / Gallon: \$63.90



Matsui 301 RC Red 032  
Quart: \$20.80 / Gallon: \$63.90



Matsui 301 RC Yellow  
Quart: \$20.20 / Gallon: \$62.10



Matsui 301 RC Process Blue  
Quart: \$19.60 / Gallon: \$60.25



Matsui 301 RC Process Cyan  
Quart: \$19.60 / Gallon: \$60.25



Matsui 301 RC Process Yellow  
Quart: \$20.20 / Gallon: \$62.10



Matsui 301 RC Process Magenta  
Quart: \$22.85 / Gallon: \$70.30



Matsui 301 RC Process Black  
Quart: \$16.05 / Gallon: \$49.30



MATSUI  
INTERNATIONAL COMPANY, INC.  
Waterbased and Discharge Inks

- **Wet Ink Tack** | Low
- **After Flash Tack** | Low
- **Printability** | Excellent
- **Surface Appearance** | Matte
- **Opacity/Viscosity** | Low/Low
- **Bleed Resistance** | None
- **Flash Temperature** | 160°F (71°C)/decreases with deposit thickness
- **Cure Temperature** | Up to 320°F depending on base and fixer (160°C)
- **Squeegee Hardness** | Medium
- **Squeegee Blade** | Sharp
- **Squeegee Angle** | 45 degrees to screen
- **Squeegee Speed** | Medium
- **Underlay** | 301 Series
- **Emulsion** | Direct or indirect
- **Mesh Count** | Up to 305 mc in (120 mc cm)
- **Thinner** | RV Additive
- **Thickener** | Thickener B
- **Storage** | 65°F to 95°F (18°C to 35°C). Avoid direct sun.
- **Cleanup** | Water and mild soap or detergent
- **Color Range** | Multiple
- **Substrate Type** | Multiple
- **Substrate Color(s)** | Light, Medium and Dark Fabrics

## ALUMINUM "FOREVER" FRAMES

Mel-Ray aluminum FOREVER Frames™ are guaranteed for life. If the frames ever wear out as a consequence of our RAPID Restretch service, we'll replace them free of charge.

Size	Mesh Count									
	86	110	125	155	173	200	230	280	305	355
20x24	24.25	22.25	22.75	23.50	24.25	25.00	25.75	28.50	30.00	35.75
23x31	30.25	29.00	29.50	30.25	31.00	31.75	32.50	34.75	36.00	44.75
25x36	48.75	47.50	48.50	49.75	50.75	51.25	55.75	61.50	64.25	68.25

## ECONOMY ALUMINUM FRAMES

Size	Mesh Count									
	86	110	125	155	173	200	230	280	305	355
20x24	21.75	19.75	20.25	21.00	21.75	22.50	23.25	26.00	27.50	33.25
23x31	26.75	25.50	26.00	26.75	27.50	28.25	29.00	31.25	32.50	41.25
25x36	44.25	43.00	44.00	45.25	46.25	47.75	51.25	57.00	59.75	63.75

## PRO-GRADE WOOD FRAMES

Size	Mesh Count									
	86	110	125	155	173	200	230	280	305	355
20x24	18.25	17.50	18.25	19.25	19.75	20.25	21.50	25.00	25.50	31.75
23x31	22.00	21.00	22.00	23.00	23.75	24.75	26.50	31.25	32.25	41.50
25x36	27.75	27.75	29.25	31.00	32.00	32.75	35.75	37.00	38.25	54.50

## ECONOMY WOOD FRAMES

Size	Mesh Count									
	86	110	125	155	173	200	230	280	305	355
20x24	16.25	15.50	16.25	17.25	17.75	18.25	19.50	23.00	23.50	29.75
23x31	19.50	18.50	19.50	20.50	21.25	22.25	24.00	28.75	29.75	39.00
25x36	24.25	24.25	25.75	27.50	28.50	29.25	32.25	33.50	34.25	51.00

## WATERBASED INKS

### DISCHARGE AND WATERBASED BASES

Matsui 301 Stretch Clear Binder Base	Qt: \$20.20 / Gal: \$62.10
Matsui 301C Clear Binder Base	Qt: \$14.85 / Gal: \$45.65
Matsui 301M Semi-Opaque White Binder Base	Qt: \$18.40 / Gal: \$56.60
Matsui 301W High Opacity White Ink	Qt: \$21.10 / Gal: \$64.85
Matsui Brite Discharge Base	Qt: \$12.30 / Gal: \$37.70
Matsui HM DSPF Discharge Base	Qt: \$8.65 / Gal: \$26.50
Matsui HM Discharge White	Qt: \$17.05 / Gal: \$52.45
Matsui 301 Metallic Binder Base	Qt: \$37.00 / Gal: \$113.75

### ADDITIVES

Matsui Discharge Agent	Pt: \$29.20 / Gal: \$89.70
Matsui Fixer WF-N	Qt: \$48.56 / Gal: \$149.55
Matsui Retarder MG	Qt: \$13.70 / Gal: \$42.15

### PIGMENT CONCENTRATES

NEO 301 Color Concentrate Yellow M3G	Qt: \$22.15 / Gal: \$68.10
NEO 301 Color Concentrate Orange MGD	Qt: \$36.55 / Gal: \$112.35
NEO 301 Color Concentrate Red MGD	Qt: \$33.10 / Gal: \$101.80
NEO 301 Color Concentrate Pink MB	Qt: \$50.54 / Gal: \$155.15
NEO 301 Color Concentrate Gold Yellow MFR	Qt: \$28.30 / Gal: \$87.05
NEO 301 Color Concentrate Red MFB	Qt: \$61.40 / Gal: \$188.85
NEO 301 Color Concentrate Violet MFB	Qt: \$31.75 / Gal: \$97.60
NEO 301 Color Concentrate Blue MB	Qt: \$24.00 / Gal: \$73.75
NEO 301 Color Concentrate Blue MG	Qt: \$18.50 / Gal: \$56.90
NEO 301 Color Concentrate Green MB	Qt: \$24.20 / Gal: \$74.45
NEO 301 Color Concentrate Navy Blue	Qt: \$26.25 / Gal: \$80.75
NEO 301 Color Concentrate Black MK	Qt: \$10.30 / Gal: \$31.60
NEO 301 Color Concentrate Rose MB	Qt: \$44.50 / Gal: \$136.90



INTERNATIONAL COMPANY, INC.  
Waterbased and Discharge Inks

### NEO Pigment Color Chart



### Metallic Binder w/ NEO Pigments

