



# TEXTILE



# SAATI

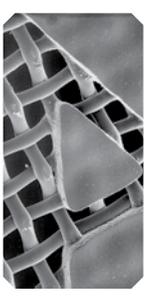


# SQUEEGEE



PRINTING  
DIVISION

# MESH EMULSION



# RECLAIM CHEMICALS



CHEMICALS  
DIVISION

Adhesives  
Pretreatments  
Blockout  
Reclaimers

# CAPILLARY FILM



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## **SAATI SYNTHETIC SCREEN MESH**

**SAATI CELEBRATES 80 YEARS OF UNINTERRUPTED DEDICATION TO WEAVING PRECISION QUALITY SCREEN MESH. NO MATTER THE SCREEN PRINTING APPLICATION, THERE IS A SAATILENE BRAND MATERIAL TO SUIT YOUR NEEDS. WITH SAATI MESH, YOU'LL IMPROVE YOUR PRINT QUALITY AND SAVE MONEY. THE EXCELLENT DIMENSIONAL STABILITY IMPROVES YOUR REGISTRATION, WHILE ITS UNIFORM MESH OPENINGS AND FABRIC THICKNESS PRODUCE CONTROLLED INK DEPOSITS.**

# SAATILENE® HITEX® MESH

For the printer looking to save on cost while not compromising the printing outcome,

Saati offers Saati Hitex printing mesh. Hitex contains the same high tension, low elongation characteristics known throughout the globe. This offering is a standard precision woven fabric that is excellent for textile, glass, and low mesh count applications. The absence of treatment as well as the tailored specification offerings allows for the reduced price, promoting cost savings to those who do not reclaim screens or have a high turn over in screen processing.

MESH (IN.)	CM	COLOR	WEAVE	NOMINAL THREAD DIAMETER (UM)	MESH OPENING (UM)	OPEN AREA (%)	FABRIC THICKNESS (UM)	THEORETICAL INK VOLUME (CM <sup>3</sup> /CM <sup>2</sup> )	RECOMMENDED & MAX TENSION (N/CM)
17	6.5	WHITE	PW	385	1180	58	715	21.28	35-60
24	9.5	WHITE	PW	280	810	55	533	15.02	35-60
38	15	WHITE	PW	200	475	50	365	183	35-60
54	21	WHITE	PW	160	330	46	275	127	35-60
61	24	WHITE	PW	120	290	50	216	108	35-60
61	24	WHITE	PW	145	275	43	245	105	35-60
74	29	WHITE	PW	120	220	41	218	89	35-60
74	29	WHITE	PW	145	190	32	240	77	35-60
81	32	WHITE	PW	70	245	61	110	67	24-26
86	34	WHITE	PW	100	185	41	173	71	35-40
86	34	YELLOW	PW	100	185	41	173	71	35-40
110	43	WHITE	PW	80	150	43	132	57	35-37
110	43	YELLOW	PW	80	150	43	132	57	35-37
125	49	WHITE	PW	70	130	40	116	46	30-34
125	49	YELLOW	PW	70	130	40	116	46	30-34
140	55	WHITE	PW	64	120	41	105	43	26-31
140	55	YELLOW	PW	64	120	41	105	43	26-31
158	62	WHITE	PW	64	90	32	106	34	30-34
158	62	YELLOW	PW	64	90	32	106	34	30-34
180	71	WHITE	PW	55	80	33	91	30	25-30
180	71	YELLOW	PW	55	80	33	91	30	25-30
196	77	YELLOW	PW	55	70	28	90	25	27-32
230	90	YELLOW	PW	40	68	38	62	24	20-24
230	90	YELLOW	PW	48	55	27	81	22	27-29
255	100	YELLOW	PW	40	55	31	64	20	26-28
280	110	YELLOW	PW	34	53	35	56	20	22-24
305	120	YELLOW	PW	34	45	29	54	16	24-26
305	120	YELLOW	PW	40	38	20	67	13	27-32



Saati is pleased to introduce its new pre-stretched screen program. For the textile printer who needs to focus on stencil production and printing, Saati Stretched Screens are produced with the same high quality Saati mesh that you are already used to.

White or yellow Saati Hitex mesh is pre-stretched to Saati's recommended tension levels on aluminium frames with profiles of 1.5 x 1.5" with a .070" wall thickness and adhered with durable Saati SB5 Plus polyurethane glue. Standard mesh counts between 86 and 305 are available, some in multiple thread diameters.

**CHARACTERISTICS**

- High quality Saati textile mesh available in a range of mesh counts
- Aluminum frames that are strong but also lightweight and chemical resistant
- Stretched to Saati recommended tension levels
- Durable Saati Chemicals polyurethane glue resists tension loss and chemical attack

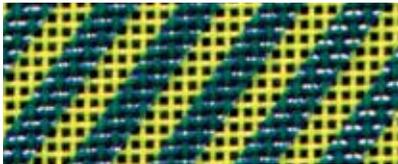
**ADVANTAGES**

- Excellent performance screens
- Order in bulk and worry less
- Devote your staff to other steps in the printing process
- Get rid of your old frames and start using reliable Saati frames
- Recycle your frames at the end of their usable life

**AVAILABLE SPECIFICATIONS**

	86.100	110.80	125.70	140.64	158.64	180.55	196.55	230.40	230.48	255.40	305.34	305.40
20X24	WH	WH	WH	WH	WH/YE	YE						
23X31	WH	WH	WH	WH	WH/YE	YE						
25X36	WH	WH	WH	WH	WH/YE	YE						

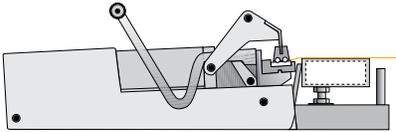
WH: White YE: Yellow



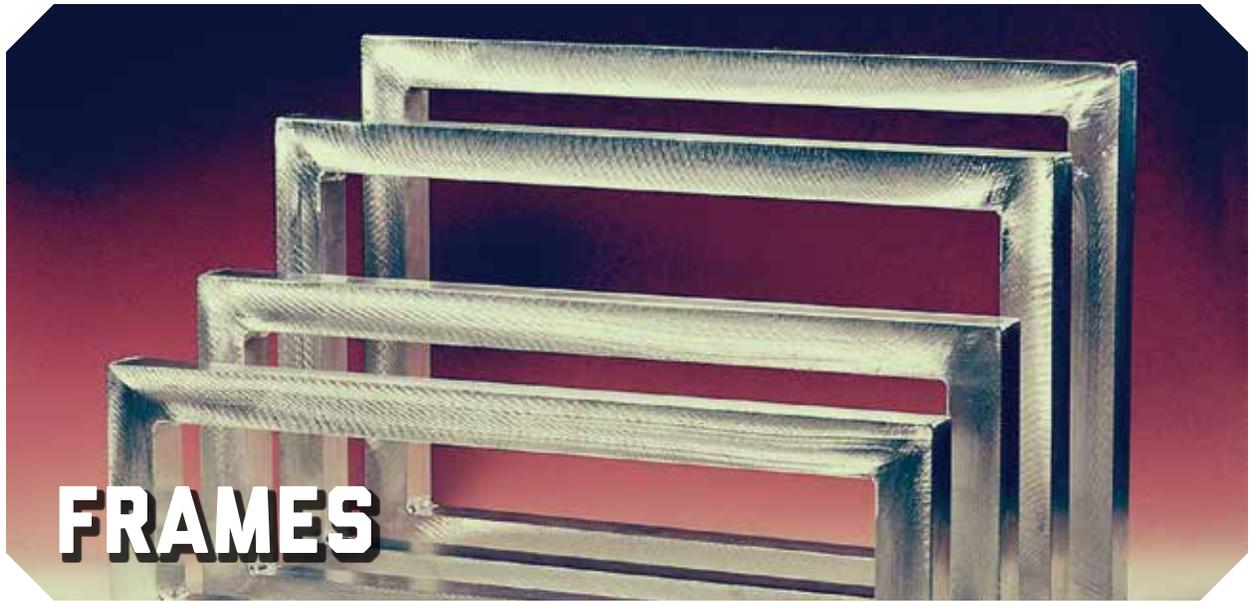
**HIGH QUALITY SAATILENE HITEX MESH GOES INTO EVERY SAATI PRE-STRETCHED SCREEN**



**SAATI STRETCHED SCREENS ARE MADE WITH SB5 PLUS GLUE FOR SUPERIOR CHEMICAL RESISTANCE**



**SAATI STRETCHED SCREENS ARE PRODUCED ON SAATI TOP 14 CLAMPS AND RESIST TENSION LOSS**



## FRAMES

**CUSTOM-MADE TO YOUR EXACT REQUIREMENTS. THESE QUALITY WELDED ALUMINUM FRAMES ARE MUCH STRONGER THAN INFERIOR WOOD FRAMES, YET ARE CONVENIENTLY LIGHTWEIGHT AND ARE MORE CORROSION RESISTANT WHEN COMPARED WITH STEEL. THEY ARE CONSTRUCTED WITH A SURFACE GROUND OR SANDBLAST FINISH FOR EXCELLENT ADHESION. CHOOSE FROM A VARIETY OF PROFILES AS WELL AS WALL THICKNESSES TO MEET STRENGTH REQUIREMENTS.**



# SAATI CHEMICALS ADHESIVES

## ULTRAFIX SB3 PLUS WITH CATALYST

*TWO-PART URETHANE-BASED ADHESIVE WITH EXTENDED POT LIFE*

- Clear with low viscosity for medium to high mesh counts
- Mounts screen mesh onto aluminum, steel, iron, plastic-coated and wood frames
- Good resistance to solvents, heat and automatic cleaning machines
- Good initial adhesion allows screens to be removed from the stretching system in as soon as 15 minutes after applying
- Superior flexibility polyurethane adhesive prevents cracking
- 48 hour pot life allows greater production flexibility

**AVAILABLE IN 1 GALLON CONTAINERS AND 55 GALLON DRUMS WITH CATALYST FOR 1 GALLON**

## ULTRAFIX SB5 PLUS WITH CATALYST

*FAST-CURING, 2-PART, URETHANE-BASED ADHESIVE WITH SUPERIOR RESISTANCE TO AGGRESSIVE SOLVENTS*

- Remove frame from stretching system only minutes after applying
- Can be applied over old adhesive residue
- Superior resistance to solvents, heat and automatic cleaning machines
- Red, low-viscosity adhesive for fine to medium mesh counts
- For use on wood and metal frames

**AVAILABLE IN 1 GALLON CONTAINERS AND 55 GALLON DRUMS WITH CATALYST FOR 1 GALLON**

## ULTRAFIX CA™ SERIES

*SPRAY-ACTIVATED CYANOACRYLATE ADHESIVES WITH AEROSOL/PUMP ACTIVATOR*

- Cures instantly
- Highly resistant to water and solvents
- Provides excellent bonding strength, high shear strength and low peel
- For use on wood and metal frames
- Available in thin, medium and thick to match your mesh count

## ULTRAFIX PT

Holds garments securely on pallet, or belt, during printing.

- Water-based pressure-sensitive adhesive
- High tack level holds fleece & tees
- Flash safe & non-staining
- Non-flammable & no VOC's

Available in quart and 1-gallon containers.

## PREMIUM MIST PALLET ADHESIVE

For use with standard garments

Available in 13-ounce containers.

## DRI-WEB PALLET ADHESIVE

For use with fleece, heavy-weight sweatshirts and jackets

Available in 13-ounce containers.

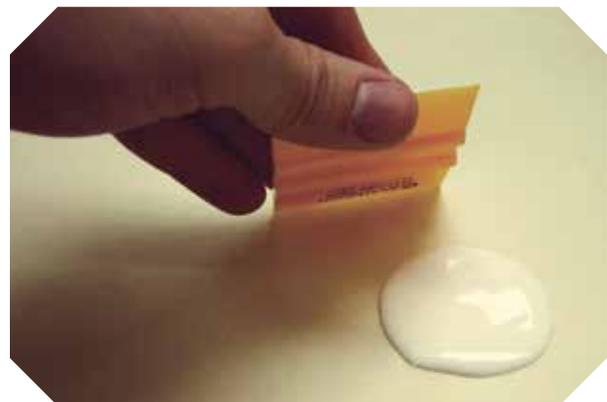
## PREMIUM FLASH PALLET ADHESIVE

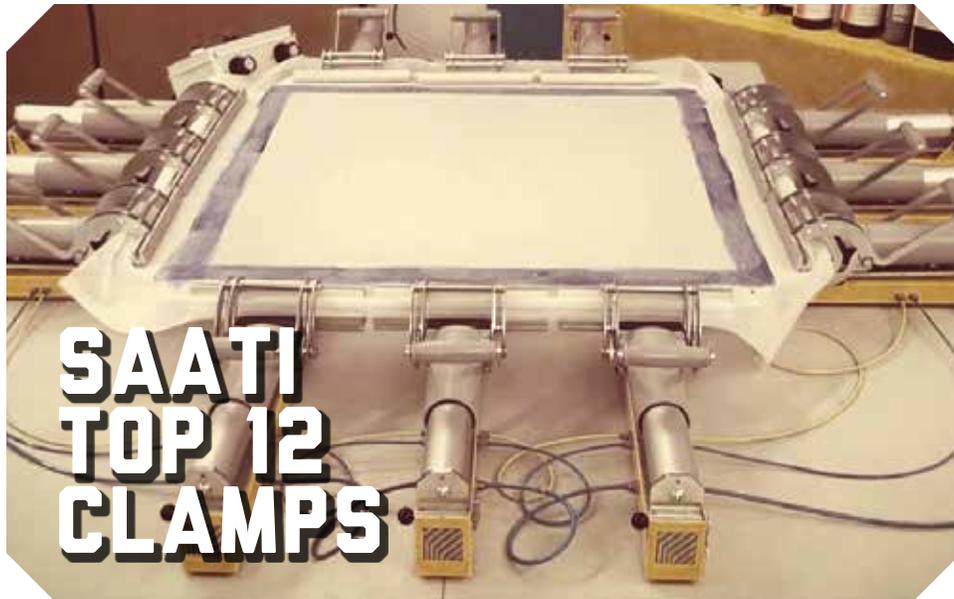
For use with flash-curing techniques

Available in 14-ounce containers.

## POLY SQUEEGEE (SCRAPERS)

Available in 2-inch and 6-inch sizes.





**THE SAATI TOP 12 CLAMP WILL PROVIDE OPTIMUM PNEUMATIC SCREEN TENSIONING. THIS HIGHLY ADVANCED, YET EASY TO USE SYSTEM ACHIEVES THE HIGHEST RECOMMENDED TENSIONS MORE UNIFORMLY, WITHOUT OVERTENSIONING THE CORNERS. IT PROVIDES THE GREATEST STABILITY OF ANY SYSTEM. AMONG THE MOST NOTABLE FEATURES OF THIS PREMIER STRETCHING SYSTEM IS ITS SIMULTANEOUS WARP/WEFT TENSIONING CAPABILITY.**

## SAATI TOP 12 CLAMPS

The new Saati Clamp will provide optimum pneumatic screen tensioning. This highly advanced, yet easy to use system achieves the highest recommended tensions more uniformly, without over-tensioning the corners. It provides the greatest stability of any system available. Among the most notable features of this premier stretching system is its simultaneous warp/weft tensioning capability.

In addition, its unmatched, patent-pending "raise/lower" design pre-stresses the frame while simultaneously eliminating mesh contact with the frame surface during stretching. This specialized "non-contact" stretching eliminates any hazardous friction, uneven tensioning or resultant tears caused by distorting the mesh when it comes in contact with rough or uneven frame surfaces.

The long 4.75" stroke per clamp allows for 10" of total stretch in each direction.

A special pneumatic device lifts the mesh above the frame for stretching, while the clamps hold (and pre-stress) the frame. Once the desired tension is achieved, the mesh is lowered for adhesion to the frame.

### TECHNICAL FEATURES

- Internal components extruded in aluminum, lateral parts in powder coated steel,
- Both versions, 10" (250mm), and 6" (150mm) available
- Pneumatic control for both horizontal axis
- 4.75" stroke length
- Vertical Axis with a range stroke of 0.4" - 1.25" (10.5mm - 31mm) of run
- Maximum tension: 50 N/cm
- Daisy chain connection, no manifold needed
- Control panel with simultaneous warp and weft control
- Adjustable frame support

### BENEFITS

- Higher tension, longer stroke
- Tension from small frames to extremely large frames
- Very high degree of repeatability
- High reliability, low maintenance

### CONTROL PANEL

- Independent unit has an advanced, ergonomic design
- Plug and play
- Panel equipped emergency safety stop
- Two independent controls: stretch/release, lift/lower

**LEASING AVAILABLE, PLEASE INQUIRE.**

Weight	21.4 lbs
Length	24.8"
Length from back of clamp to push plate	20.1"
Air Pressure	95-100 psi (requires moisture-free line)
Standard Jaw Width	10"
Alternate Jaw Width	6"
Space Requirements	table outer dimensions + 4" on all sides
Vertical Axis Height	0.6"
Stroke Length	4.7"
Max Tension	60 N/cm



**SAATI CHEMICALS' TEXTIL EMULSIONS ARE DESIGNED SPECIFICALLY FOR THE GARMENT AND TEXTILE INDUSTRIES. THE TEXTIL RANGE ENCOMPASSES PURE PHOTOPOLYMER, DUAL-CURE, DIAZO AND OUR UNIQUE TRIPLE CURE TECHNOLOGIES. THE RANGE INCLUDES PRODUCTS SPECIFICALLY DESIGNED FOR EXCELLENT DURABILITY WHEN USED WITH WATER-BASED AND DISCHARGE INKS AND YET RECLAIM EASILY. TEXTIL EMULSIONS FEATURE WIDE LATITUDE AND YIELD HIGH RESOLUTION STENCILS WITH FEWER PINHOLES. THE HIGH SOLIDS CONTENT AND MEDIUM VISCOSITY OF TEXTIL EMULSIONS GIVE GOOD COVERAGE ON ALL MESH COUNTS. ALL TEXTIL EMULSIONS ARE NON-HAZARDOUS AND BIODEGRADABLE.**



### TEXTIL PHU

#### ALL PURPOSE SOLVENT AND WATER RESISTANT PHOTOEMULSION

- Red One-part, pure photopolymer emulsion, no mixing required
- 45% solids content and medium viscosity, easy coating on wide range of mesh
- Fast exposure, approximately 8X faster than typical two part emulsion
- Can be used with plastisol, water-based and discharge inks
- Solvent resistant and easy to reclaim
- Also available in blue and orange
- Suitable for Direct Exposure Computer-to-Screen
- Can be used with Diazo 11 when extra sharpness is required for high resolution

### SAATITEX PHU2

#### AN ECONOMICAL WATER-RESISTANT EMULSION

- Red one-part pure photopolymer emulsion, no mixing required
- Approximately 4x faster than typical two part emulsion
- 47% solids content and medium viscosity, easy coating on all mesh counts
- Universally resistant: Solvent and waterbased ink resistant, yet easy to reclaim
- Recommended for use with discharge inks as is, without using diazo or catalysts for stencil hardening
- Can be used with Diazo 11 when extra sharpness is required for high resolution

### TEXTIL PHW

#### THE HIGH-DENSITY EMULSION

- Red pure photopolymer emulsion designed for high-density garment printing applications
- Produces ultra thick stencils with 50% solids and high viscosity
- Requires no mixing
- Exposes approximately eight-times faster than diazo or dual-cure emulsion
- Resistant to plastisol and water-based inks, abrasion and high humidity

### TEXTIL HT

#### TRIPLE-CURE PRINTING EMULSION FOR PERMANENT STENCILS

- Blue triple-cure emulsion for printing plastisol and water based inks
- High resolution and definition
- Very easy to reclaim before use of hardener
- Can be catalyzed with Saati Chemicals Fixer 9 to produce a permanent water proof stencil
- 48% solids and high viscosity for easy coating on wide range of mesh counts

### TEXTIL PV

#### THE DURABLE AND FAST GARMENT EMULSION

- Red pure photopolymer emulsion designed for general garment printing applications
- Requires no mixing
- Exposes approximately eight-times faster than diazo or dual-cure emulsion
- Resistant to plastisol ink, abrasion and high humidity
- Water resistant when post-exposed

### TEXTIL DW

#### AN ECONOMICAL WATER-RESISTANT EMULSION

- Excellent resistance to plastisol and water-based ink
- Reclaimable unless hardened with SaatiChem Fixer 9





AS SPECIALISTS OF SCREEN-MAKING AND RECLAIMING, WE HAVE TRANSFERRED OUR KNOWLEDGE AND PRACTICAL EXPERTISE BEYOND FABRICS AND SUPPLIES TO DEVELOP AND SELECT A LINE OF HIGH-QUALITY EQUIPMENT. AS A SUPPLIER OF EQUIPMENT, OUR GOAL IS TO PROVIDE YOU INNOVATIVE, STATE-OF-THE-ART SOLUTIONS THAT OFFER THE HIGHEST ACCURACY, EASE OF USE AND COST EFFECTIVENESS. WE INCLUDE ONLY PROVEN WINNERS IN OUR EQUIPMENT LINE. COATING MACHINES WITH EXTENSIVE AUTOMATED OPTIONS FOR SIDE LOADING AND IN-LINE APPLICATIONS. IDEAL FOR LANDSCAPE HANDLING OF ALL SCREEN SIZES. PLEASE INQUIRE WITH ONE OF OUR TECHNICAL REPRESENTATIVES REGARDING THE COATING MACHINE THAT'S RIGHT FOR YOU.

## SAATI PRO-COAT

The Saati Pro Coat 25x36 provides a perfect solution for the small to medium shops that think automatic coating is too expensive to justify. Now affordable consistent quality can be accomplished with this easy to use coater. It will be realized quickly that a consistent coated screen solves many of the day to day quality issues that make it to press. This machine is truly a plug and play workhorse.

### CHARACTERISTICS

- Coats two screens, simultaneously front and back.
- Ex. two 20x24, 23x31, or 25x36 at a time
- Coats a single screen up to 43x50"
- Fully programmable
- Carriage enclosed for safety
- Simple coating troughs attachment
- 110 volt, 20 amp
- 90 psi less than 1 cfm
- 6 month warranty

### FEATURES

- Easy to use touchscreen display
- Belt driven for smooth, free operation
- Single program capability: set dwell, coats and speed per side
- Motorized upper carriage. Easy adjustment for different frame profiles
- Foot pedal control of upper carriage and frame clamps for easy loading and unloading of screens

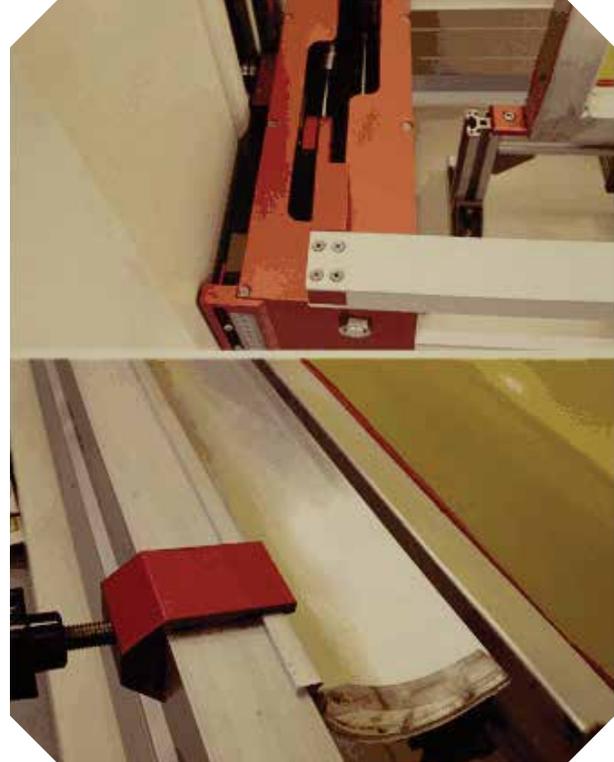
### BENEFITS

- Double your standard size screen coating output and maximize consistency
- Set programs and get repeatable stencils, which result in more repeatable prints

### INSTALLATION AND TRAINING

Installation and technical support provided by the Saati Applications Team. Our installation includes set-up as well as operational and maintenance training by our factory trained and certified engineers.

*LEASING AVAILABLE, PLEASE INQUIRE.*



### MAGI-COTE™ SCOOP COATER (MANUAL)

This specially designed anodized aluminum scoop coater has two different coating edges. This offers the user more versatility and control of the stencil thickness. One edge is sharp for depositing thin emulsion coatings, the other is thicker and more rounded for depositing heavier emulsion coatings.

The scoop coater is made of precision extruded aluminum with a corrosion resistant anodized finish, making cleanup easy. The end caps are removable for more convenient and thorough cleaning, but are not interchangeable.

The scoop coater is easy to reassemble by using the diagram of the coating edge cross section embossed on the inside of each end cap. (The cross section showing a circle corresponds to the sharper edge, while the cross section without the circle corresponds to the rounder edge.)

*AVAILABLE FROM STOCK CUT TO LENGTH, UP TO 118".*

*EXTRA END CAPS AVAILABLE SEPARATELY.*



## TOWER SCREEN DRYING CHAMBER

Named "The Tower" for its ample screen capacity. This innovative dryer incorporates a roll-in rack design answering the need for more volume in your drying chamber. It is a real production booster. When ordered as a two-sided pass-through unit, it provides safe, convenient service to both your coating and exposing areas. It has never been as easy to set up a maximum efficiency and flexible screen production drying area.

Depending on your screen capacity and screen processing layout needs, this versatile drying chamber is available in several configurations; from a one to four-door model. Depending on the size of your screens and the unit chosen, the Tower Drying Chamber can accommodate from 40 to 120 screens.

### FEATURES

- Available as a two-sided, pass-through unit or one-sided "closed" unit
- Available as a double or single bay unit
- Optional UV safelight coating on one or both sides
- High-capacity, roll-in screen racks
- Side-to-side air flow created by forcing air in a circular pattern behind offset assemblies
- Louvered ducts serve to deliver air; approximately 1/3 air volume exchange per minute
- Digital temperature indicator
- Manual ON/OFF or drying time can be set on an automatic timer
- Constructed of heavy-duty polished stainless steel
- 3/16-inch thick UV safelight polycarbonate door panels in black anodized extruded aluminum frame
- Continuous magnetic gasket seals secure both doors preventing air leakage
- Doors swing 180 degrees, stay open beyond 90 degrees and self close under 90 degrees
- Easy-grasp door handles
- Incoming air filtration down to 10 micron particle size

### BENEFITS

- Thorough, high-efficiency screen drying
- Uniform chamber temperature
- Ultimate flexibility in drying set-up
- Pass through design serves as its own protective barrier between your screen and production areas
- Screens ready for exposure will not be contaminated or subjected to moisture from coating



## SCREEN RACK

A convenient, space-saving and portable means of drying and storing your screens.

Constructed of aluminum with riveted and welded reinforcement, the rack rolls on 5-inch diameter hard rubber casters.

**AVAILABLE IN TWO MODELS CUSTOM-BUILT TO ACCOMMODATE YOUR O.D. FRAME SIZE UP TO 60-INCHES. FOR LARGER SIZES, PLEASE INQUIRE.**

## SAATI PRO-LITE 300 L.E.D. EXPOSURE LAMP

### DESCRIPTION

300W 405nm LED exposure lamp

### APPLICATION

Designed to efficiently expose screen printing stencils

### CHARACTERISTICS

- Point light source
- High intensity
- Instant start to full power
- 10,000 hour lifetime rated
- Works with all one & two part emulsions, and stencil films
- Efficient low cost replacement for expensive metal halide systems

### FEATURES/BENEFITS

- Optimum wavelength for fast exposure, deep cure & wide latitude
- Runs cold, glass stays cool and no extra a/c load
- Constant light output, no photocell/filter/light integrator calibration needed, just a simple timer
- 85V-265V rated and works with any 110V outlet

### SPECIFICATIONS

- Dimensions: 30"Wx11.5"Hx5.5"D (9.5" including wall bracket)
- Weighs 29 lbs.
- Uses 110v standard wall outlet



## SAATI PRO-LITE 450 L.E.D. EXPOSURE LAMP

### DESCRIPTION

300W 405nm LED exposure lamp

### APPLICATION

Designed to efficiently expose screen printing stencils

### CHARACTERISTICS

- Point light source
- High intensity
- Instant start to full power
- 10,000 hour lifetime rated
- Works with all one & two part emulsions, and stencil films
- Efficient low cost replacement for expensive metal halide systems

### FEATURES/BENEFITS

- Optimum wavelength for fast exposure, deep cure & wide latitude
- Runs cold, glass stays cool and no extra a/c load
- Constant light output, no photocell/filter/light integrator calibration needed, just a simple timer
- 85V-265V rated and works with any 110V outlet

### SPECIFICATIONS

- Dimensions: 30"Wx11.5"Hx5.5"D (9.5" including wall bracket)
- Weighs 29 lbs.
- Uses 110v standard wall outlet

## QUALITY CONTROL DEVICES

When you measure quality at every stage of screen production and on press, you take control of the many variables in screen-making and printing. Most importantly, you have the means to the consistency and repeatability that will boost your screen-printing productivity and profitability. Saati brings you the most comprehensive selection of highly accurate, yet easy-to-use instruments to monitor and confirm screen quality at each step.

As specialists in screen-making products and innovators in QC devices, we've made sure that these instruments are practical, affordably priced, durable enough for continuous use and simple to operate.

### NEWMAN ST-METER® 1-E

A uniquely constructed, heavy-duty mechanical tension meter that assures durability and longterm accuracy in monitoring screen tension. It is the only meter in the world with all stainless steel hardened gears, shock-proof industrial grade internal gear movement and all jeweled sapphire bearings. A screen tension meter of exceptional quality, it will last longer and produce consistent readings every time. (All other mechanical meters have non-compound softer brass gears and bushing, greatly reducing their shock-resistance, long-term accuracy and life.) The crystal is shatterproof and curved to avoid glare. The heavy-duty protective aluminum housing is the most durable meter made anywhere. The modular construction assures easy and inexpensive repairs, if necessary.



### SAATI 21-STEP SENSITIVITY GUIDE

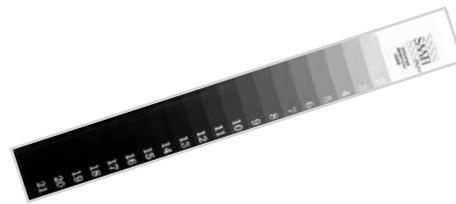
This is the exposure guide of choice for accuracy, ease of use and all-purpose application.

With the Saati guide, there is no guesswork or complicated interpretation. It is a more precise tool than the gelatin/density type exposure calculators, and unlike competitive products, it can be used on all stencil types and all mesh counts. (Other exposure guides are not compatible with pure photopolymer stencils, and do not perform as well on coarse mesh.)

Our 21-step guide is also much smaller (1/2" x 5 1/4"), so it can be used on all production screens. The Saati Sensitivity Guide is a film containing a transmission type density scale with 21 steps ranging from transparent to opaque.

### DIRECTIONS

Place the Saati 21-Step Sensitivity Guide on the screen. Optimize your exposure so that when washing out the image, you are left with 7 solid steps (1 = zero density. 21 = solid black.)



### AQUA CHECK

The only stencil moisture meter, the TQM Aqua-Check determines when the stencil is dry enough to expose. Our exclusive TQM Aqua-Check meter detects hidden moisture instantly. It is a fast and accurate measurement that prevents you from taking chances with your stencil. The battery-operated contact meter provides direct readings of the residual moisture content in coated (and dried) screens to ultimately prevent pinholes and premature stencil breakdown. If a screen is not dried thoroughly before exposure, it will not harden effectively, and is therefore vulnerable to these deficiencies. The Aqua-Check's modest cost can save you big outlays in press downtime and stencil remakes. For use on polyester and nylon screen mesh.

There is no guesswork. Simply hold it against the emulsion or film surface and press the "READ" button for 2 seconds. Look at the dial. Red for trouble ahead. Orange for risky. Green for go!





### CUT-EDGE SQUEEGEES

Duralife's precision cut-edge offers the optimal sharp edge yielding the finest in print definition. Unlike rotary cut edges that leave a serrated pattern on the edge; our one-stroke cut leaves a perfect print edge.

### CE SERIES

- Premium cut edge
- Close tolerance on hardness range
- Good all around performance
- Available in all sizes

The triple-duro blade offers two print edges by sandwiching a harder 90 duro center within the desired print durometer on each side controlling and minimizing the degree of squeegee flex. This reduced flex yields better print definition and better control of ink deposit by maintaining an effective print angle. The harder center also resists solvent attack over a single durometer blade thus maintaining rigidity throughout the production run.

The triple-duro squeegee is especially suited for use on higher tension screens in small to medium formats requiring a more stable and rigid squeegee blade and also on automatic presses to maintain the critical print angle across the entire width in large format printing.

In addition, with the squeegee pressure focused on the print edge, less overall pressure is needed reducing abrasion and solvent attack to the squeegee and preventing premature stencil breakdown.

### DURALIFE ASSEMBLED SQUEEGEES

Standard squeegee size/profiles/hardnesses available in high-profile wooden holders are 2" H x 3/8" W in 4", 14", 16", 18" and 6' L rectangular and ballnose (rounded edge) in orange 60, yellow 70 and green 80 durometer. Other combinations available by special order.

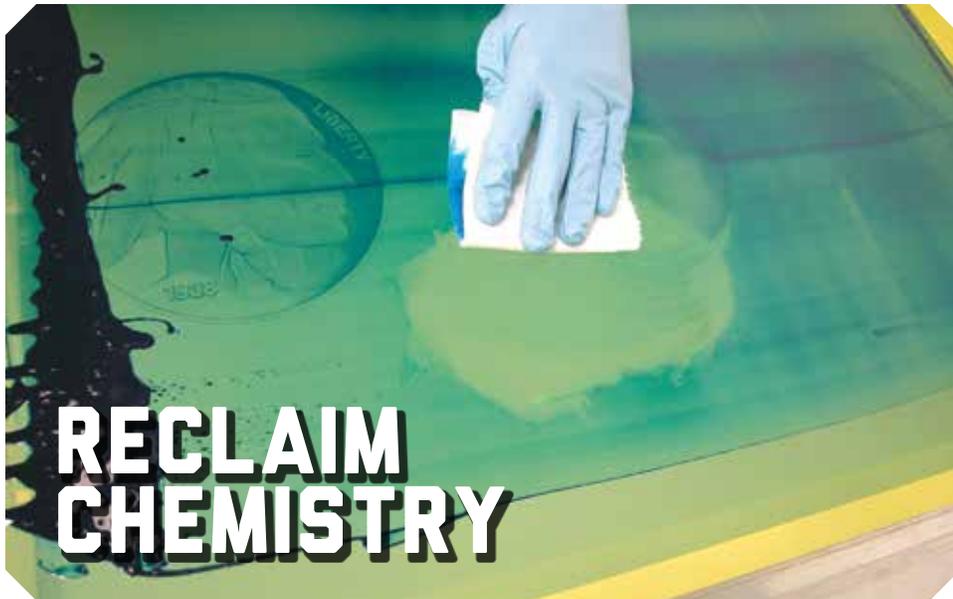
Any 2" H x 3/8" W x 6' L Duralife product may be ordered assembled in our high-profile wooden holder.

### TRIPLE DUROMETER PROFILES

- Excellent ink shear and better control of ink deposit
- Two softer print edges with harder center that resists flexing
- Reduces need for excessive squeegee pressure
- Maintains consistent print angle
- 3/8" Standard profile.

**PLEASE CALL FOR ADDITIONAL SIZES.  
AVAILABLE IN SHORE A HARDNESS RANGE OF  
60/90/60, 70/90/70, AND 75/90/75**





SAATI CHEMICALS OFFERS A COMPLETE PACKAGE OF PRODUCTS FOR SCREEN RECLAIMING AND RECYCLING. HIGH PERFORMANCE CHEMICALS MINIMIZE USAGE LEVELS WHILE QUICKLY DELIVERING SCREENS THAT LOOK AND PERFORM LIKE NEW. TAILORED PRODUCTS OPTIMIZE RESULTS FOR CLEANING EVERY TYPE OF INK AND RECOMMENDED PRODUCT PACKAGES ENSURE TOP PERFORMANCE AT EACH STAGE OF THE RECLAIMING PROCESS. SCREENS ARE RECYCLED WITH MINIMAL IMPACT TO THE FABRIC AS WELL AS THE ENVIRONMENT. BIODEGRADABLE INGREDIENTS FROM RENEWABLE RESOURCES SUCH AS PALM, CORN AND SOY ARE HEAVILY USED TO MINIMIZE RELIANCE ON COMPONENTS DERIVED FROM FOSSIL FUELS.

## PRESS WASHES

FOR PRINT MAINTENANCE AND COLOR CHANGES AT PRESS.

### REMOVE 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

### REMOVE PW9

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

## INK REMOVERS

INK DEGRADENTS ARE USED TO REMOVE INK FROM SCREENS PRIOR TO RECLAIMING. WATER RINSEABLE AND DRAIN SAFE.

### MANUAL

#### REMOVE IR4

TEXTILE INK DEGRADENT FOR MANUAL CLEANING

- Works well on Plastisol, Nylon and Waterbased inks
- Reduces ink staining
- Can be reapplied to remove ink stains

#### REMOVE IR19

WATER BASED INK DEGRADENT FOR MANUAL CLEANING

- For use to clean Plastisol and Nylon inks
- Slightly viscous to improve cling to screen during application
- Economical
- Low VOC at 139g/L
- High efficiency formula reduces product consumption
- Clean screens with water and easy rinsing formula

### AUTOMATIC

#### REMOVE IR18

TEXTILE INK DEGRADENT FOR AUTOMATIC CLEANING

- Effectively cleans all types of ink
- Low foam and low odor and suitable for manual and automatic cleaning
- Can be reapplied to remove ink stains
- Can be mixed with Remove ER6 and used as one-step ink and stencil remover

#### REMOVE IR26

TEXTILE INK DEGRADENT FOR AUTOMATIC CLEANING

- Versatile ink remover, cleans solvent-based, UV-Cured and Textile inks
- Low foam and low odor and can be used for manual or automatic cleaning
- Emulsifies for easy water rinsing and avoids formation of ghost images
- High efficiency formula reduces product consumption
- Universal performance reduces the need for multiple ink removers
- Can be re-applied after stencil removal to remove ghost images

## EMULSION REMOVERS

TO REMOVE DIAZO, DUAL-CURE AND PHOTOPOLYMER EMULSIONS AND FILMS.

### MANUAL

#### REMOVE ER2

CONCENTRATED, EASY-TO-DISSOLVE LIQUID WITH BUILT-IN DEGREASER

- Powerful built-in degreaser cuts through the oily residue left during ink removal to speed stencil breakdown and to aid in mesh degreasing
- Mix 1 part with 25 parts water by weight (1 to 35 by volume)

### DIP TANK

#### REMOVE ER6

READY-USE EMULSION REMOVER FOR MANUAL OR AUTOMATIC CLEANING

- Fast-acting, effective and economical
- Odor-free and biodegradable
- Contains built in degreaser to assist with ink removal
- Dilutes for dip tank use as one-step textile ink and stencil remover
- Mixes with Remove IR18 for one-step removal of stencil and UV cured or solvent based ink

## HAZE REMOVERS

TO REMOVE STAINS FROM MESH AFTER EMULSION HAS BEEN REMOVED.

#### REMOVE HR3

FAST-ACTING HAZE REMOVER PASTE

- Provides the highest strength cleaning power
- Effectively works in minutes!

#### REMOVE HR9

FAST-ACTING HAZE REMOVER PASTE

- One part, ready to use formula removes the toughest stains
- Low odor during use with pressure washer
- Fast and easy application with stainless steel scoop coater
- After gel application, screen can be racked or stacked



## SAATI PRO WASHOUT BOOTH

Reclaim screens in a contained sink, develop and examine quality screens.

### CHARACTERISTICS

- Polypropylene Construction 3/8" wall
- Chemical Resistant
- Screen Holder
- Wand Holder
- Vent Ready
- Quick Drain Style
- Drain attachment Ready
- Polypropylene Legs

### FEATURES

- Comes with on/off backlighting
- Simple to install drainage
- Sturdy polypropylene design

### OPTIONS

- Backlighting helps you develop the details
- Prevents your screens from sliding when pressure-washed
- Built-in wand holders preserve your equipment

### STANDARD SIZING OPTIONS

48" w x 48" h x 24" d	60" w x 60" h x 24" d
60" w x 48" h x 24" d	72" w x 60" h x 24" d
72" w x 48" h x 24" d	72" w x 72" h x 24" d

## CHEMICAL DISPENSING SYSTEMS

Basic model includes two dual diaphragm Teflon and Polypropylene pumps, with room for one additional. Each pumping station includes all fittings, regulators, fluid lines, guns and spray nozzles.

This unit mounts to a wall near the washout area.

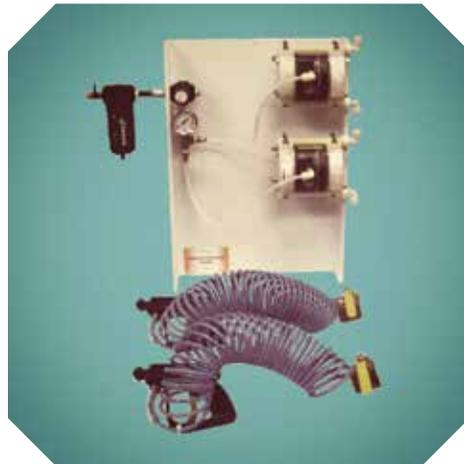
System includes a coiled flex hose to each spray gun.

The system includes everything necessary to go from a drum of chemistry to the spray nozzle. Dispensing is actuated by simply pulling the trigger on the spray gun.

The pumps are designed to dispense virtually any chemistry, from simple degreasers to haze and ink removers.

Polypropylene wall bracket will accommodate a total of three pumps. If more pumps are required, an additional wall bracket is provided. System run on compressed air at 60 PSI, approximately 3 CFM.

We will customize the system to meet your specific application requirements.



## REMOVE HC-8 HAND CLEANER



Remove HC-8 is a personal cleaner designed for safe and easy removal of the toughest industrial dirt and grime including inks, oils & grease, paints, plumbers putty and other oily soils.

- Pink, water-based lotion
- Mildly abrasive to accelerate the removal of dried inks and other difficult oily soils
- Triple blend of emollient, moisturizer and conditioner protects skin and prevents chapping
- Safe alternative to aggressive solvents
- Pleasant cherry scent
- Also available in green with green-apple scent

## DIPTANKS

### RHINOCLEAN POLY-ETHYLENE DIP TANK

The RhinoClean™ Dip Tank / Emulsion Removal Systems are designed for fast, safe and efficient removal of screen printing stencils. The RhinoClean™ System, used in conjunction with RhinoClean Emulsion Remover and/or AP1000 (all in one) Ink Degradent Emulsion Remover, will effectively remove all types of emulsion from the screen frame. It's easy; once the emulsion is soft simply remove with high pressure washer.

#### FEATURES

- Poly Ethylene Construction
- Chemical Resistant Construction
- Multi Screen Units
- Top Loading Design
- Hold Down Lid



#### BENEFITS

Using a RhinoClean™ Dip Tank / Emulsion Removal System helps reduce chemical use by cutting down on the amount needed; it saves time and effort. The system helps meet compliance by minimizing the volume of chemicals going down the drain. And, you will lessen the carbon foot print on our environment.

Frees up employee time to spend on other tasks instead of screen cleaning; extends the life of the ink degradent/emulsion remover and reduces employee exposure to chemicals.



### IMAGE TECHNOLOGY STAINLESS STEEL DIP TANK

The Image Technology Emulsion removing dip tank is a custom built system that reduces emulsion and ink remover usage, increases screen room production and minimizes waste water stream affluent.

#### FEATURES

- 100% stainless steel unit
- Screen holding racks
- Variable air induction system to promote emulsion removal or developing
- Emulsion sludge tray
- Open/closed drain connector



### DIRECT PREP 2

#### COMBINED DEGREASER/WETTING AGENT

- Ready-to-use liquid wetting agent and degreaser
- Powerful detergent and degreaser restores mesh after reclaiming
- Blue color ensures complete rinse from mesh
- Highly recommended for use with photopolymer direct emulsions
- Eliminates fisheyes and streaks in coatings
- Maximize exposure latitude and adhesion for both emulsion and capillary film stencils
- Optimizes resolution, definition and stencil life

### DIRECT PREP 3

#### CONCENTRATED DEGREASER/WETTING AGENT

- 10 to 1 concentrated liquid wetting agent and degreaser
- Concentrated formula for economy
- Highly recommended for use with photopolymer direct emulsions
- 100% Biodegradable
- Eliminates fisheyes and streaks in coatings
- Maximize exposure latitude and adhesion for both emulsion and capillary film stencils
- Optimizes resolution, definition and stencil life



### SPLIT LINER TAPE

Designed for metal and wood frames. Color-coded, the white area contains the adhesive, while the blue is a non-adhesive area. Of its 4-inches in width, 2 1/2-inches are adhesive backed, while the remainder has a predominantly non-adhesive backing. However, intermediate 1/4"- wide strips are placed approximately every 2 inches within this non-adhesive area to attach the tape securely to the frame, and still allow easy removal.

**AVAILABLE IN A 4-INCH WIDTH ON 60-YARD ROLLS (18 ROLLS PER CASE).**

### FINISH W1

#### SCREEN FILLER (BLOCK-OUT) FOR USE WITH WATER-BASED TEXTILE INK

- Easily reclaimable water resistant blockout
- Unique water based and water resistant formula
- Resistant to water based, plastisol, solvent based and UV cured ink
- Very high solids content offers increased durability
- Spreads smoothly and uniformly for optimum drying and filling
- Useful for permanent or library screens
- Reclaims with standard emulsion removers during screen recycling

# SAATICHEM TECH TIP: SCREEN RECLAIM STEP-BY-STEP



PRINTING, INK REMOVAL  
PRIOR TO RECLAIMING

18

RETOUCHING AND  
SCREEN PREPARATION  
PRIOR TO PRINTING

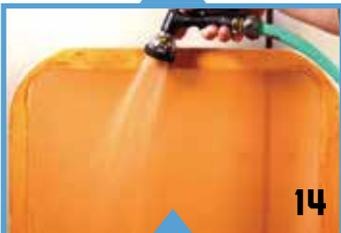
17

EXPOSE SCREEN AND  
DEVELOP IMAGE

16

DRY SCREEN +  
COAT EMULSION, OR  
APPLY CAPILLARY  
FILM, THEN DRY

15



14



13



12



11



10

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



5



6



7



8



9





# LOCATIONS

## HEADQUARTERS

201 FAIRVIEW ST. EXTENSION  
FOUNTAIN INN, SOUTH CAROLINA 29644  
TEL: 864.601.8300 - FAX: 864.862.0089

## TOLL-FREE

TEL: 800.431.2200  
FAX: 800.829.9939

## EMAIL

[INFO.US@SAATIPRINT.COM](mailto:INFO.US@SAATIPRINT.COM)

## WEST COAST

GARDENA, CALIFORNIA  
TOLL-FREE  
800.992.3676

## CANADA

MISSISSAUGA, ONTARIO  
TOLL-FREE  
800.567.0086

## WEBSITE

[WWW.SAATI.COM](http://WWW.SAATI.COM)