

SAATIprint

Mesh, Emulsion,
Chemicals, Equipment
& Accessories for Every
Type of Screen Printing

SAATI

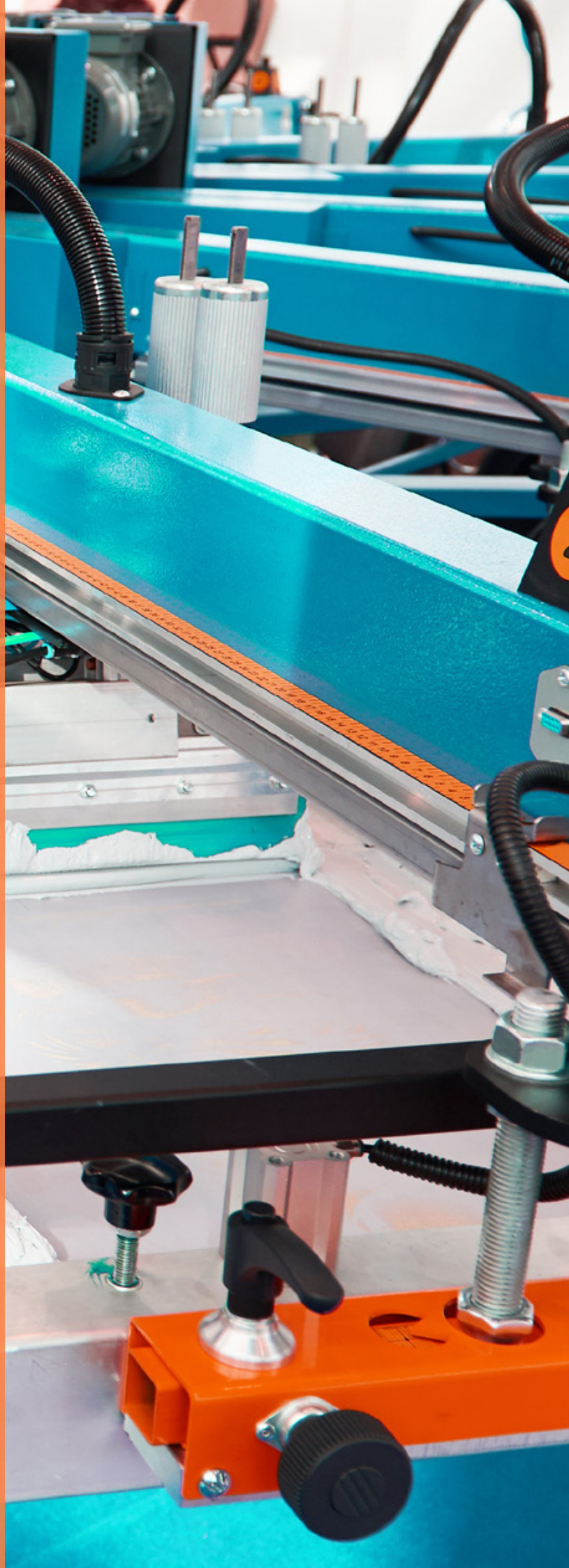


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Engage with SAATI

SAATI Screen Printing

SAATI produces many products for all types of markets that find their way into the daily life of billions of people. We are leaders in both process and microfiltration, screen printing, and personal and vehicular multi-threat protection products.

SAATI is a global organization with locations in Italy, France, Germany, Spain, China, Korea, and the USA. We aim to improve the life of every person, every day.

For the screen printing industry, SAATI has been weaving top quality screen mesh for over 80 years.

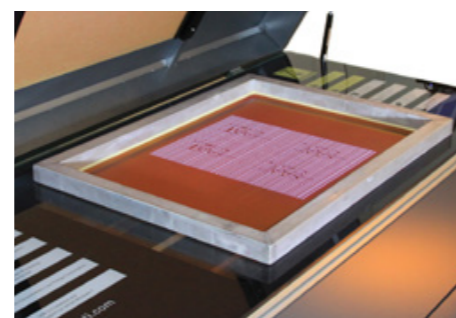
We also formulate and produce photo-sensitive emulsions and auxiliary chemical products used in preparation for screen-printing. SAATI fabrics, when combined with SAATI chemical products ensure the production of a stencil with superior durability, capable of consistent reproduction of fine detail in any screen-printing application.

In recent decades SAATI has also designed optimum quality screen printing equipment and now offers a full range of sophisticated equipment for the modern screen maker.

We are proud to provide you with a complete turnkey screen production package of specialized products, designed together to deliver superior results. SAATI product packages upgrade your present operation to while reducing your costs.

All of our offerings are backed by our friendly and efficient customer service. Factor this with more than 100 years of combined industry service, including manufacturing innovations and the most extensive technical support available, it's easy to see why so many screen printers put their trust in SAATI. It's no accident that the majority of our new business comes from referrals by satisfied customers.

SAATI is an OSHA-compliant supplier, so we keep you well-informed with up-to-date Safety Data Sheets (SDS sheets are shipped routinely with every shipment of any products containing hazardous ingredients). In addition, SAATI has a dedicated Regulatory Affairs Coordinator.



SAATI SpA headquarters Appiano Gentile, 1935



SAATI Americas Headquarters team today

Customer Information

Customer Service Specialists

E-mail, call, fax or orders to:

Info.US@saatiprint.com

East Coast

phone: 1-800-431-2200 • 864-862-0089
fax: 800.829.9939 • 914.232.4004

West Coast

phone: 800.992.3676 • 310.523.3676
fax: 310.523.3610

They'll help you when:

- Opening an account
- Placing an order
- Inquiring about a shipment
- Arranging for a return

Your call will immediately be dispatched to your area's service specialist.

To Open An Account

You may fax or mail the short-form application supplied in the front of this catalog, or call our toll-free number to speak directly to a customer service specialist.

You can establish credit and open an account (30-day terms) usually on the same day we receive your first order. Just furnish us verbally with a bank reference and two commercial references (or a favorable Dun & Bradstreet® rating). We accept major credit cards.

24-Hour Order Handling

You can reach us twenty-four hours a day, seven days a week in several ways. Our automatic answering machine accepts your calls before 8 a.m. and after 5 p.m. (EST). You may leave your order, or your name and telephone number, and we will return your call promptly at the start of the next business day.

You may also transmit correspondence, such as purchase orders, via e-mail to:

Info.US@saatiprint.com or the relevant fax number.

Environmental/ Regulatory Questions

Call 800.368.3243 or 864.601.8710 and ask for our Regulatory Affairs Coordinator.

Delivery

Our standard 90-day inventory of mesh and supplies means we keep you in business. 95% of our orders are normally shipped the same day. When you're in a super rush, overnight or second-day deliveries are available nationwide.

Technical Service & Training

Call 800.431.2200 or 864.601.8300 for:

- Technical assistance
- Problem solving
- An appointment to visit our technical center for screen making training

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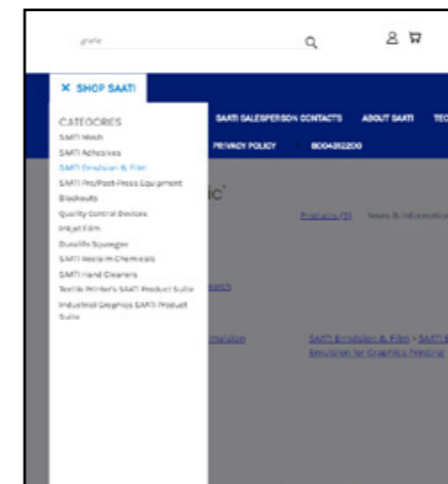
Ordering Through e-Commerce

SAATI operates a convenient 24/7 e-commerce portal where you can order many SAATI screen printing products.

Visit <http://www.SAATIexpress.com>

Links to e-commerce pages for specific SAATI products will be included throughout this document - to buy a product, click the shopping cart icon!

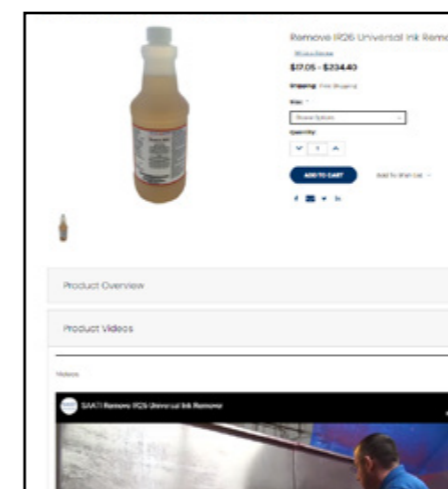
Your e-commerce portal for SAATI Americas Screen Printing Products



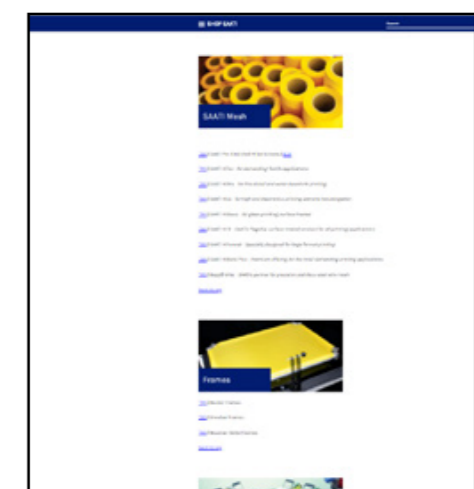
Hundreds of SAATI products are available - Search or browse the menu organized by order of use



Order your consumables any time, anywhere!

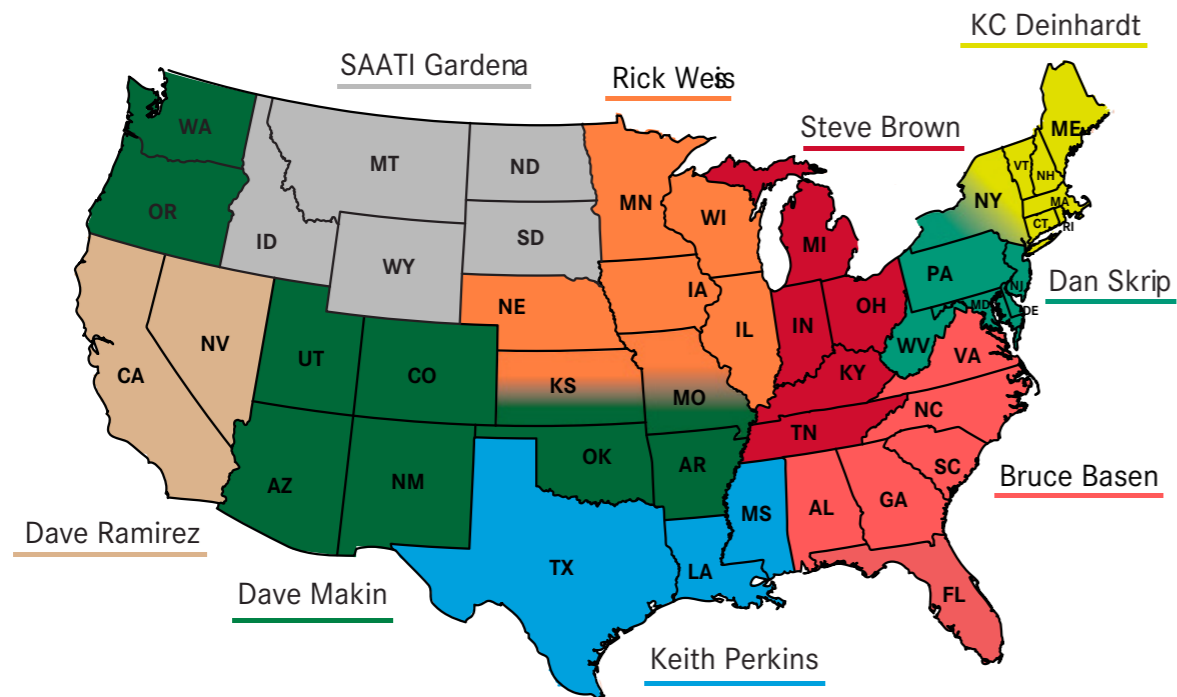


Choose a product type and learn the benefits and watch relevant video!



Technical Data Archive: Easily locate the Technical Data Sheets for your favorite SAATI products

Sales Contacts



Technical Sales Rep	Mobile Phone
Bruce Basen	864-345-4736
KC Deinhardt	914-420-7690
Steve Brown	864-531-9899
Dave Makin	918-381-7275
Keith Perkins	937-554-8242
Dave Ramirez	310-350-3672
Dan Skrip	412-498-7988
Rick Weiss	414-840-5199
SAATI Gardena	800-992-3676

Keith Perkins	Perkins Basen	Bruce Basen	Steve Brown
Dan Skrip	KC Skrip	KC Deinhardt	Dave R.
Dave Makin	Weiss Makin	Rick Weiss	

North East

KC Deinhardt
CT, MA, ME, NH, NY, RI, VT

Midwest (East of MS River)

Steve Brown
IN, KY, MI, OH, TN

Middle/NW

Dave Makin
AR, AZ, CO, KS, MO, NM, OK, UT

Mid Atlantic

Dan Skrip
DE, MD, NJ, PA, WV

Midwest (West of MS River)

Rick Weiss
IA, IL, MN, NE, WI

West

Dave Ramirez
CA, NV

South East

Bruce Basen
AL, FL (North), GA, NC, SC, VA

South

Keith Perkins*
FL (South), LA, MS, TX

* Keith acts as a Chemicals Specialist throughout the USA in addition to the listed territorial responsibilities



Manufacturing Information



SAATI utilizes the most advanced looms in the world. Innovative in-house customization has resulted in weaving advancements that surpass our competition.

The numerous types of finishing techniques and capabilities available to SAATI allows for advanced mesh surface treatments that enhance stencil performance and mesh tension characteristics.

A World Leader in Technical Fabrics

Whatever your application, there's a reliable SAATI mesh to meet your needs. With SAATI mesh, you'll improve your print quality and save money. Its excellent dimensional stability improves your registration, while its uniform mesh openings and fabric thickness produce controlled ink deposits. SAATI ultra-orange and ultra-yellow dyed fabrics assure

you optimum resolution. Plus their durability means your screen endures longer runs and numerous reclaimings. SAATI produces and distributes high precision woven mesh fabrics developed from synthetic raw materials such as polyester and polyamide (nylon), with specialty finishes to optimize performance. Our fabrics meet

the needs for such diverse market segments as graphics, textile, ceramic, electronics, glass & containers. SAATI is the largest single producer of ISO 9001-certified synthetic screen fabrics worldwide, you are assured of all the benefits when making your decision to purchase SAATI Mesh. Our technical support is unrivaled.

Chemical Manufacturing

SAAT formulates and manufactures a broad range of screen making and reclaiming chemicals.

SAATI combines thirty plus years of manufacturing experience with six decades of service to the screen printing industry.

SAATI manufactures in state-of-the-art facilities in South Carolina, in Appiano Gentile, Italy and in Tianjin, China. Each product is backed by worldclass R&D and is manufactured to the most exacting industry requirements in facilities accredited to ISO standards.

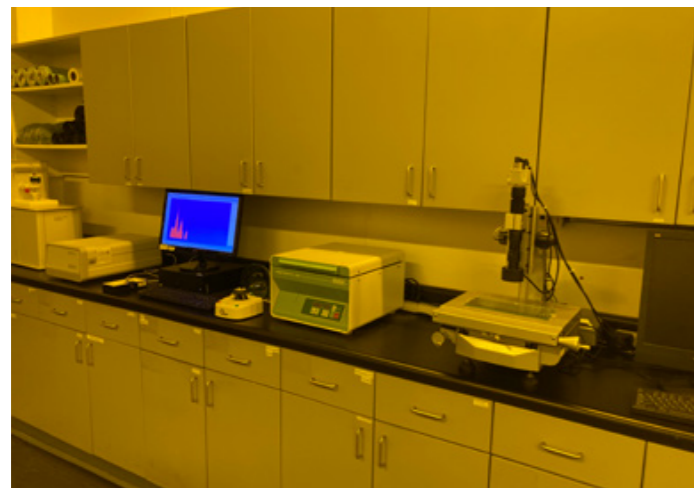
Innovative products always give you something beyond the conventional and we manufacture highly specialized, industry segment targeted products with unsurpassed performance for the most demanding applications.

SAATI offers dual-cure emulsions for making low friction stencils with improved printing properties.

Our photopolymer emulsions are versatile and extremely durable and our unique triple-cure technology allows production of permanent waterproof stencils.

We manufacture the most complete range of computer-to-screen emulsions and have enabled digital exposure technology to successfully enter demanding market segments by offering full control over imaging speed, resistance and image quality.

Our wide range of screen reclaiming chemicals offer industry leading performance for ink, stencil, and ghost image removal. They preserve both screen fabric and the environment while increasing productivity and are suitable for manual or automatic screen cleaning.



Our Fountain Inn manufacturing facility features a state-of-the-art prototype screen-making department and a research and development laboratory for specialized applications of our emulsions and screen chemical products.

SAATI Mesh

Perfecting the Art of Precision Woven Fabric

SAATI has a long history of manufacturing and distributing precision woven fabrics. Over the past eight decades, SAATI has perfected the technology of manufacturing fabrics to a high degree of precision. Every phase of production is carefully monitored, employing frequent in-house testing and rigorous inspection to ensure consistent quality.

Quality Management

SAATI Quality Management System directs and maintains our Company standards with regards to Quality. The SAATI Quality Management System is certified in compliance to ISO 9001:2015 standard, and it covers all of our Divisions' activities.

SAATI has implemented and certified an Occupational Health and Safety Management System based on the BS OHSAS 18001. This Management System is applied to all four of SAATI's Facilities Sites in Italy.



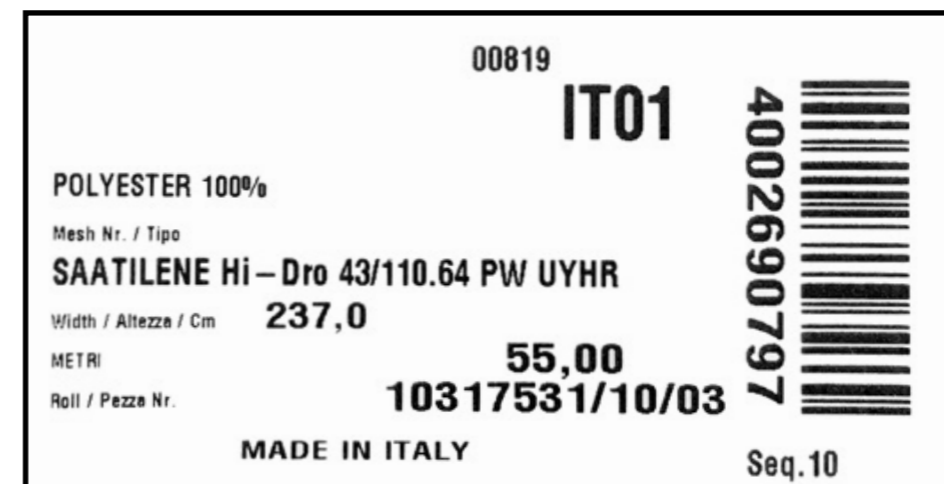


Quality Certification

Inspection Label

SAATI individually inspects every roll of mesh and attaches a Quality Control Inspection Label with the roll's characteristics and a traceable barcode. Measurements are taken with each roll and not just per batch.

State-of-the-art automated measuring equipment is employed for consistent and accurate results. SAATI holds itself to the highest standards by measuring their performance and giving you the actual measurement data.



SAATI Hi-R® Mesh

SAATI HI-R is a high-modulus, low-elongation monofilament polyester screen printing fabric with a proprietary surface treatment ideal for all traditional applications.

Key Characteristics

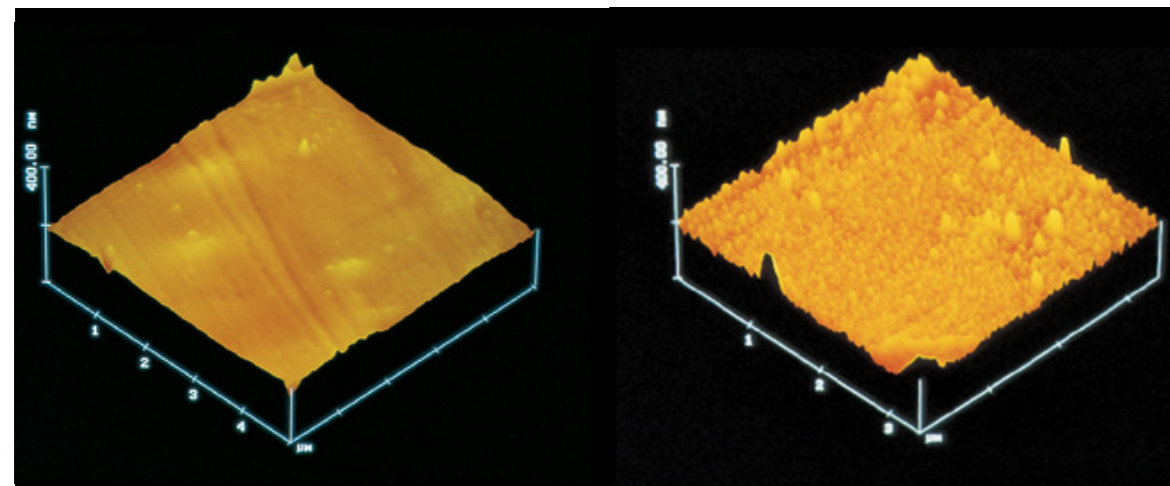
Benefits

Benefits of Surface Treatment

- High tension, low elongation, optimally performing monofilament polyester
- Superior stencil adhesion, resulting in less stencil breakdown on press, delivering longer print runs far beyond other conventional treated fabrics
- Shorter exposure times, due to increased stencil adhesion.
- Holds finer detail with no compromise in stencil durability (halftones, fine lines, etc.)

- Applied to fabrics in widths up to 120"
- Safe under exposure with all emulsion/film types: Diazo, Dual Cure, and Photopolymer
- Excellent for use with abrasive printing conditions, inks and pastes
- Excellent performance on virgin fabric

- Improved adhesion characteristics of small halftone dots and fine lines
- Even and consistent surface characteristics, enhanced for extreme durability
- Excellent ink release properties
- Ready-to-use, the degreasing process can be eliminated



SAATI Hi-R Mesh Specifications											
Mesh Count		Type Of Weave	Thread Diameter	Mesh Opening	Overall Fabric Thickness		Open Area	Theoretical Ink Deposit		Max. Recom. Tension	Specific Cross Section
per inch	per cm	TW or PW	microns	microns	inch	microns	%	cm ³ /m ²	in./sq. yd.	N/cm	mm ² /cm
86	34	PW	100	185	0.0068	173	41	71	3.64	35-40	0.267
110	43	PW	80	150	0.0052	132	43	57	2.88	35-37	0.216
125	49	PW	70	130	0.0045	116	40	46	2.28	30-34	0.188
140	55	PW	64	120	0.0041	105	41	43	2.2	26-31	0.176
158	62	PW	64	90	0.0041	106	32	34	1.66	30-34	0.199
180	71	PW	55	80	0.0036	91	33	30	1.53	25-30	0.168
196	77	PW	48	78	0.0031	80	36	29	1.48	24-26	0.139
196	77	PW	55	70	0.0035	90	28	25	1.28	27-32	0.182
230	90	PW	40	68	0.0024	62	38	24	1.23	20-24	0.113
230	90	PW	48	55	0.0032	81	27	22	1.08	27-29	0.162
255	100	PW	40	55	0.0025	64	31	20	1.02	26-28	0.125
255	100	PW	48	40	0.0032	81	16	13	0.66	30-34	0.181
280	110	PW	34	53	0.0022	56	35	20	1.02	22-24	0.099
280	110	PW	40	47	0.0027	69	26	18	0.92	25-30	0.138
305	120	PW	31	53	0.0019	48	40	19	0.97	21-24	0.09
305	120	PW	34	45	0.0021	54	29	16	0.82	24-26	0.108
305	120	PW	40	38	0.0026	67	20	13	0.66	27-32	0.15
330	130	PW	34	39	0.0021	55	26	14	0.71	24-27	0.118
355	140	PW	31	38	0.0019	48	28	13	0.66	20-22	0.105
355	140	PW	34	29	0.0022	56	16	9	0.46	23-26	0.127
355	140	TW	34	32	0.0024	60	20	12	0.61	23-26	0.127
380	150	PW	31	29	0.0019	49	20	10	0.51	22-24	0.113
380	150	PW	34	25	0.0022	56	13	7	0.35	25-27	0.136
380	150	TW	34	28	0.0023	61	17	10	0.51	25-27	0.136
420	165	PW	27	30	0.0018	46	25	12	0.61	17-21	0.094
420	165	PW	31	25	0.0019	49	17	8	0.41	24-26	0.125
460	180	PW	27	25	0.0017	43	20	8	0.41	18-22	0.103

SAATI HiBond Plus[®] Mesh

The Ultimate Surface-Modified Mesh



SAATI HiBond Plus For Fine Detail Printing

SAATI HiBond Plus is a high tension/low elongation polyester monofilament screen-printing fabric with a “vacuum gas” modified surface to enhance stencil performance, offering added bonuses to the stencil maker and printer alike: time savings and stencil durability.

All screen fabrics imperatively require a thorough mesh treatment before stencil processing, yet SAATI HiBond Plus is delivered ready-to-use.

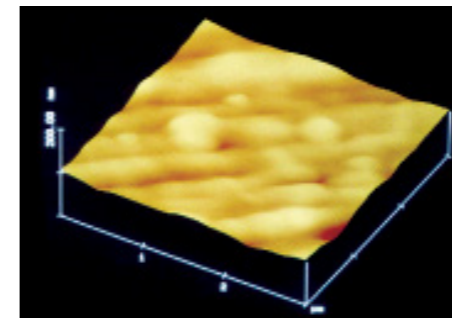
Available in widths up to 100”, its special factory finishing renders the use of adhesion promoters obsolete and in some cases reduces ghost imaging. Apart from the production time savings, it will extend the life of stencils from single to triple, or more. This is a unique feature especially beneficial when printing conditions are unusually harsh, either due to the nature of the substrate or the ink system.

While underexposure is detrimental to the chemical and mechanical resistance of the stencil, there are circumstances where it is unavoidable in order to resolve the finest details of a stencil. A typical example is in the production of high line count halftones and the resolution of the highlight dots.

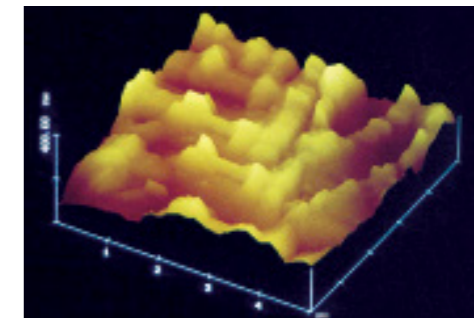
SAATI HiBond Plus will allow for safe underexposure making it possible to cope with up to a 50% time reduction without loss of stencil adhesion with dual cure photo-emulsion and capillary stencil films.

Not All Treatments are the Same!

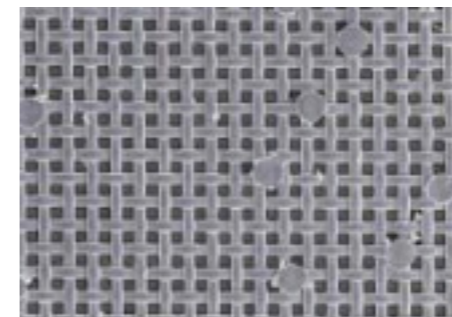
SAATI’s Vacuum Gas plasma treatment is a **deeper, permanent** surface treatment. Other competitors “chemically” treat their fabrics. These treatments wash off after one use and are ineffective for the life of the screen. The degree of surface modification of HiBond Plus could not happen by any other method.



Microsection of fabric surface
(AFM microphoto from conventional fabric)



Microsection of fabric surface
(AFM microphoto from SAATI HiBond Plus)



Conventional mesh halftone area
with halftone dots missing



SAATI HiBond Plus halftone
area with no stencil loss

SAATI HiBond Plus® Mesh

The Ultimate Surface-Modified Mesh

Stencil Processing Time Chart		
Action	Traditional Fabric Time (minutes)	SAATI HiBond Plus Time (minutes)
Wetting of Fabric	0.5	0.0
Roughening	5.0	0.0
Rinsing	0.5	0.0
Drying	10.0	0.0
Wetting (Film)	(0.5)	(0.5)
Screen Coating	5.0	5.0
Drying	20.0	20.5
Total Time	41.0	25.0

Time Savings of 40%

Increased Printing Productivity & Cost Savings

- The ultimate degree of increased stencil adhesion, resulting in less stencil breakdown on press, delivering longer print runs far beyond other conventional treated fabrics.
- Shorter exposure times due to increased stencil adhesion (halftones, fine lines etc.)
- Most cases, no degreasing pretreatment required prior to stencil processing.
- What remains is a NANO-etched surface with a greater number of hydroxyl groups that results in the absolute ultimate in surface bonding.

Recommendations For The Handling Of SAATI HiBond Plus

Preparing For Tensioning And Screen Storage

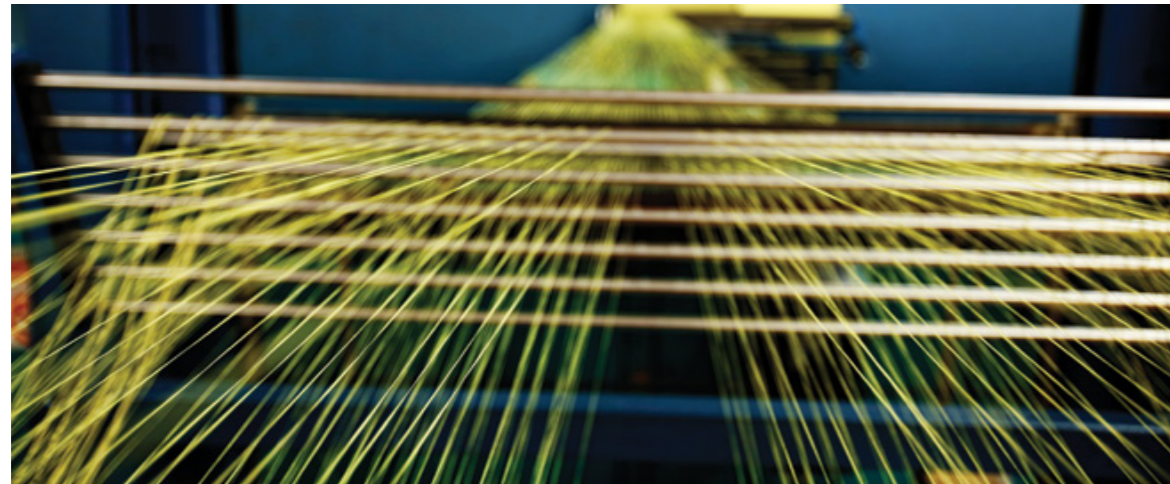
Since SAATI Hibond Plus is supplied ready to use, the user is expected to handle the product with clean hands, making sure that it does not come in contact with contaminated surfaces. Potential areas for grease contaminants include tensioning devices.

NOTE: Designate an easy access area for storing, unrolling and cutting the piece of fabric necessary for screen stretching. The work surface should be as smooth and clean as possible. If screens are processed in an area where dust is inevitable, the screen surface can simply be washed with a spray of cold water to remove any dust particles that may have adhered to it.



SAATI HiLo® Mesh

Extreme Low Elongation Mesh For High-End Electronics Printing



SAATI HiLo is a super high modulus monofilament polyester mesh. It was developed specially for tight tolerance printing to fabricate high tech products, including touch screen panels, solar cells, and membrane switches. SAATI uses a special fiber whose polymeric structure gives extraordinary physical & mechanical properties to the product.

Higher Dimensional Stability

1. Extremely low mesh relaxation
2. Plasma-activated surface for enhanced stencil adhesion

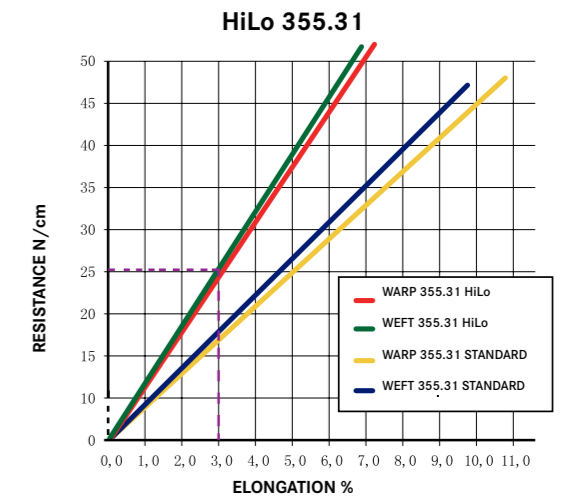
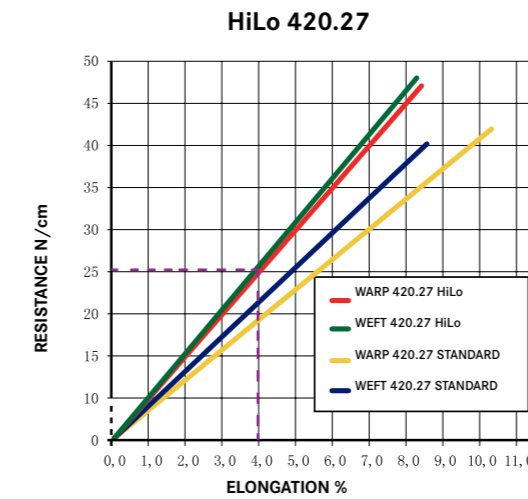
Key Product Characteristics:

- Top print quality
- Less tension loss during the print run
- Consistent performance during printing results in process reliability improvements
- Finer line resolution
- Improved ink flow
- Superior stencil adhesion: less stencil breakdown and printing life far longer

Availability of SAATI HiLo MESH

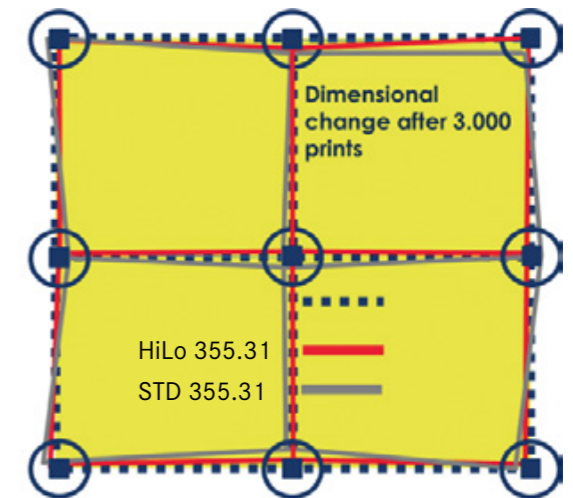
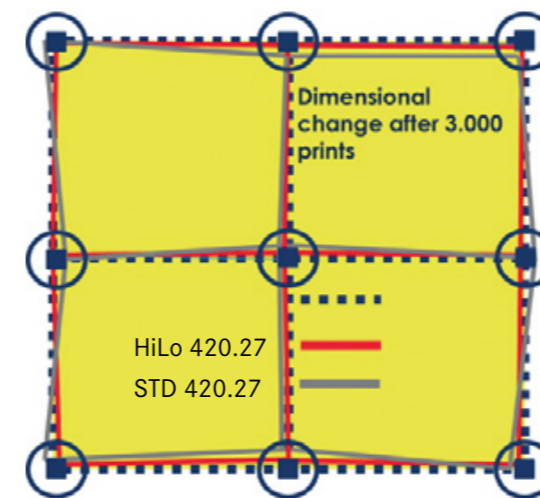
Mesh Count (in)	Thread Diameter (µm)	Weave	Mesh Opening	Open Area	Thickness	Theoretical Ink Volume (cm ³ /m ²)
420	27	PW	29	23	42	9.6
380	31	PW	30	21	43	8.7
355	31	PW	35	25	45	10.8
305	34	PW	43	26	53	14.1

Elongation Statistics



The HiLo Warp & Weft overlapping is almost perfect. At 25N tension level the HiLo 140.31 Elongation Percentage is around 3%, whereas the 165.27 is around 4%.

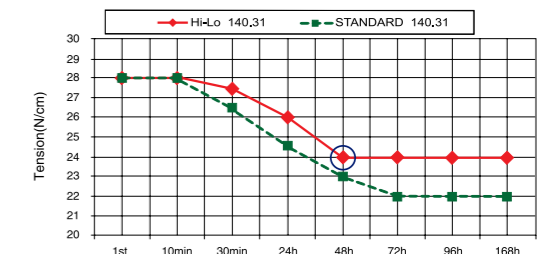
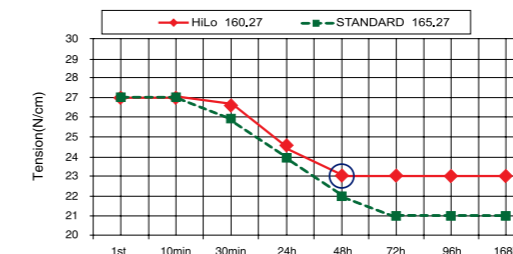
Dimensional Change



Extremely low mesh relaxation guarantees:

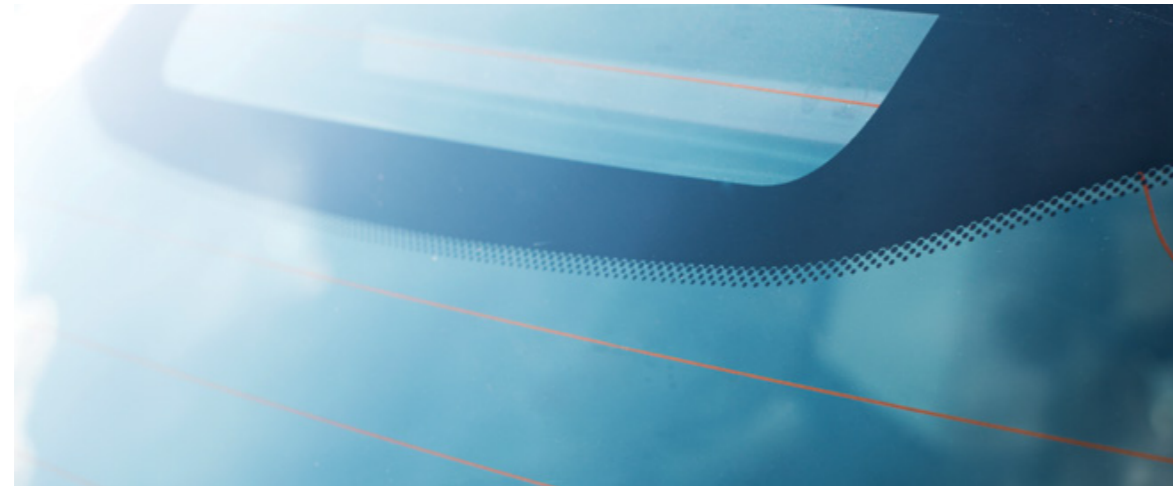
- Low tension loss after stretching
- Mesh ready to use in less time, as it can be brought to required tension quicker
- Printing quality consistency and improved ink flow during all production run

Reduced Tension Loss



SAATI Hi-Glass[®] Mesh

Premium Quality High-Tension, Low-Elongation Mesh
With The Value-Added Benefit Of Surface Modification



Exclusively developed for glass screen printing industry, SAATI Hi-Glass is an innovative high modulus, low elongation monofilament polyester screen printing fabric with a proprietary surface treatment. Its excellent dimensional stability improves the printing registration, while its uniform mesh openings and fabric thickness guarantee controlled ink deposit.

Key Product Characteristics

- Excellent mechanical behavior
- Low elongation
- Low relaxation
- Optimized mesh geometry and precise mesh openings due to improved production process
- Long lasting surface modification thanks to Plasma treatment
- Excellent antistatic property
- Width up to 4 meter.

High Tensile Strength Thread

- Superior Dimensional Stability which remain constant during all printing run
- Mesh ready to use in less time, as it can be brought up to the required tension quicker
- Strict tolerance control
- Ink volume consistency
- Improves ink flow & deposit

Benefits Of Surface Treatment

- Improved adhesion characteristics of small halftone dots and fine lines
- Even and consistent surface characteristics, enhanced for extreme durability
- Excellent ink release properties
- No degreasing pretreatment step prior to stencil processing, thanks to SAATI **unique plasma surface treatment**
- Excellent for use with abrasive printing conditions, inks and pastes.

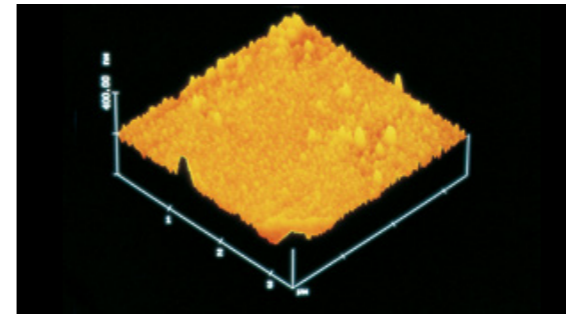
Other Advantages

- Safer with under exposure with all emulsion types: Photopolymer, Dual Cure, Diazo and Capillary Films.
- No degreasing required under normal circumstances
- Reduces static build-up during printing
- Allows further productivity improvements using the newest computer-to-screen technologies
- Enhanced quality inspection system for highlighting and marking main visual defects.

For more information, or to place an order, call us at 1-800-431-2200.
For Safety Data Sheets (SDS), please send an e-mail to: info.US@saati.com

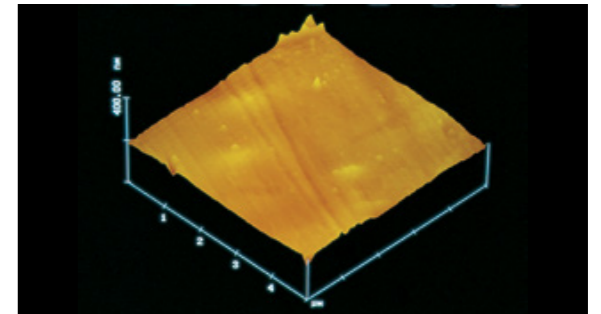
Hi-Glass Fabric

Microsection of fabric surface (AFM Microphoto)
from Plasma treated fabric

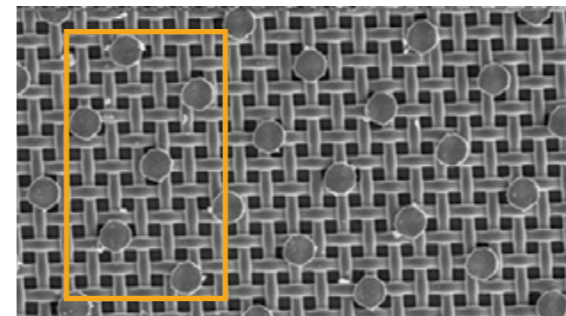


Conventional Fabric

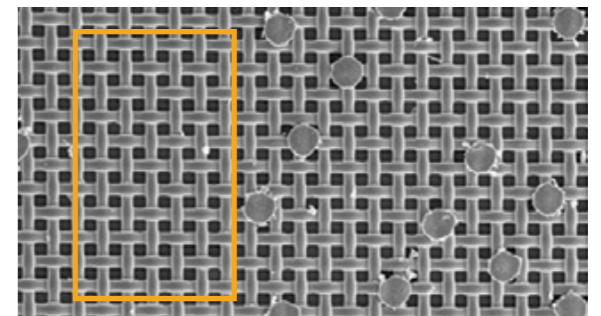
Microsection of fabric surface (AFM Microphoto)
from conventional fabric



Plasma treated mesh halftone area
with no stencil loss



Conventional mesh halftone area
with halftone dots missing



Water droplets on fabrics
with plasma treatment



Water droplets on conventional fabrics

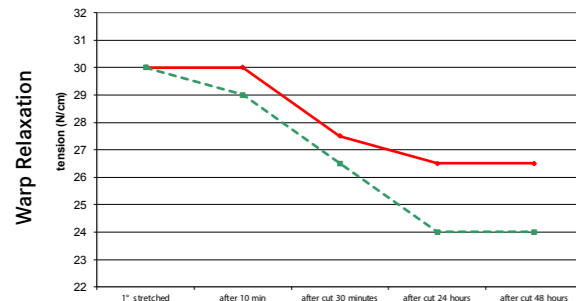
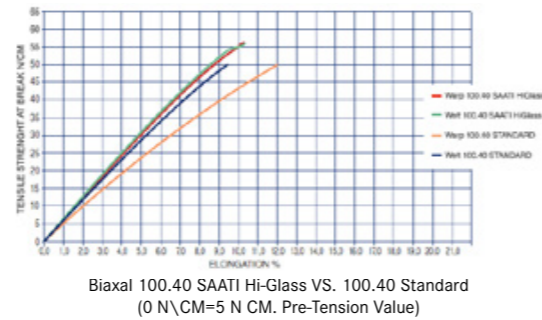


SAATI Hi-Glass® Mesh

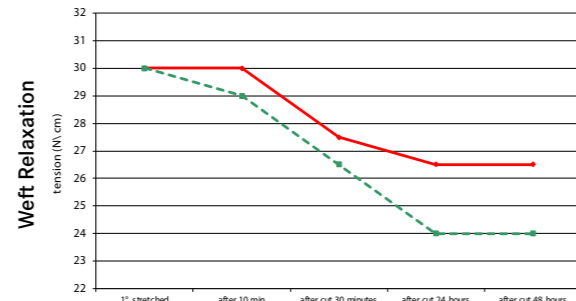
Premium Quality High-Tension, Low-Elongation Mesh
With The Value-Added Benefit Of Surface Modification

100.40 SAATI Hi-Glass vs 100.40 Standard

	(Hi-Glass)		(Standard)	
	Warp	Weft	Warp	Weft
1° stretched	40	40	40	40
after 10 min	40	40	39	39
	Screen Glued			
after cut 30°	37,5	37,5	36	36
after cut 24 hrs	36,5	36,5	34	34
after cut 48 hrs	36,5	36,5	34	34
loss N/cm	3,5	3,5	6	6
elong. after 10°	4,5%	4,5%	5%	5%



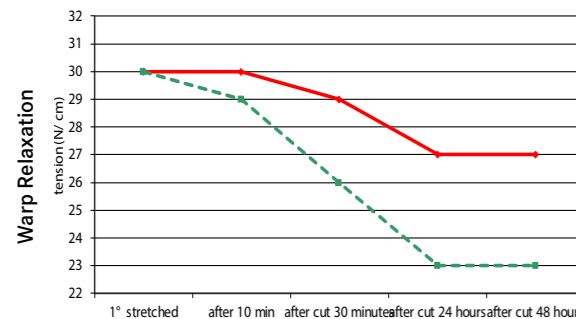
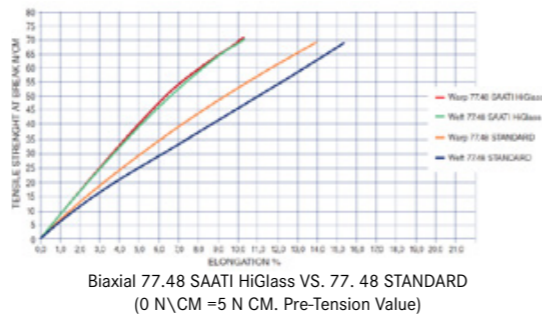
■ 100.40 (Standard) ■ 100.40 (Hi-Glass)



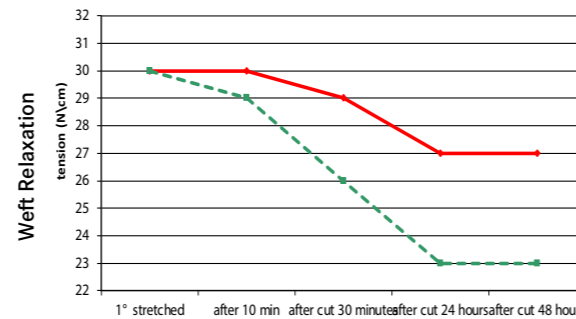
■ 100.40 (Standard) ■ 100.40 (Hi-Glass)

77.48 SAATI Hi-Glass vs 77.48 Standard

	(Hi-Glass)		(Standard)	
	Warp	Weft	Warp	Weft
1° stretched	40	40	40	40
after 10 °	40	40	38	39
	Screen Glued			
after cut 30°	39	39	36	36
after cut 24 hrs	37	37	33	33
after cut 48 hrs	37	37	33	33
loss N/cm	3	3,5	7	7
elong. after 10°	4%	4,5%	5,5%	6,5%



■ 77.48 (Standard) ■ 77.48 (Hi-Glass)



■ 77.48 (Standard) ■ 77.48 (Hi-Glass)

SAATI Hi-Glass For the Automotive Industry

Technical Data

Article	Mesh count		Nominal thread diam.	Mesh opening	Open Area	Fabric Thickness	Theoretical Ink Volume	Specific Cross-Section	Max. Recom. Tension From-To
	n°/cm	n°/in.	µm	µm	%	µm	cm ³ /m ²	mm ² /cm	N/cm
PE AM 55.64 PW	55	140	64	120	41	98	42	0,177	26-31
PE AM 62.64 PW	62	158	64	90	32	94	29	0,199	30-34
PE AM 68.55 PW	68	173	55	89	36	79	29	0,161	25-30
PE AM 71.55 PW	71	180	55	80	33	86	28	0,169	25-30
PE AM 77.48 PW	77	196	48	78	36	78	28	0,139	24-26
PE AM 77.55 PW	77	196	55	70	28	90	26	0,183	27-32
PE AM 90.40 PW	90	230	40	68	38	63	24	0,113	20-24
PE AM 90.48 PW	90	230	48	55	27	81	22	0,163	27-29
PE AM 100.40 PW	100	255	40	55	31	63	20	0,126	26-28
PE AM 120.34 PW	120	305	34	45	29	54	16	0,109	24-26

Widths Range Availability and Applications

Article	BS	CS	DS	ES	FS	GS	Application
cm	134-139,9	155-161,9	184-189,9	210-215,9	232-235,9	252-256,9	
inch	52,8-52,1	61-63,7	72,4-74,8	82,7-85	91,3-92,9	99,2-101,1	
PE AM 55.64 PW	X	X	X	X	X		black-band
PE AM 62.64 PW	X	X	X	X	X		black-band
PE AM 68.55 PW	X	X					black-band
PE AM 71.55 PW	X	X	X	X	X		black-band
PE AM 77.48 PW	X	X	X	X	X	X	heat-grid
PE AM 77.55 PW	X	X	X	X	X	X	black-band
PE AM 90.40 PW	X	X	X	X	X		heat-grid
PE AM 90.48 PW	X	X	X	X	X	X	black-band
PE AM 100.40 PW	X	X	X	X	X	X	black-band
PE AM 120.34 PW	X	X	X	X	X		top roof

The above data are average values measured on piece-good in relaxed state, manufactured with yarns of a perfect nominal diameter (cfr. international standards), under normal hygrometric conditions (20°C=68°F, 65% relative humidity). They are subject to normal variations up to 7% if conditions vary from those stated above. The listed technical specifications, exception made for the thread diameter indicated with its nominal value, are referred to the arithmetic mean value of production samples and are subject to change, in accordance with our policy of continuously improving our products. The tension tests are realised with TOP 12 plus series clamp system and appropriate frames at our laboratories. PW: Plain Weave (1:1).

SAATI Hi-Dro® Mesh

Surface Treated Mesh Especially For Water-Based Ink Printing and Fine Detail Printing



SAATI HI-DRO is a high modulus, low elongation monofilament polyester screenprinting fabric with a proprietary surface treatment developed to meet the requirements of garment printing application. Especially designed to optimize the deposit when printing with water base inks, this new range was constructed maintaining the same mesh counts and using thinner thread diameters.

Key Products Characteristics

- Optimized mesh geometry and precise mesh openings due to the improved production process
- Excellent antistatic property
- Long lasting surface modification thanks to plasma treatment.
- Range of mesh counts from 32- 120 threads per cm (81-305 per inch)
- Safe under exposure with all emulsion types: Photopolymer, Dual-Cure, Diazo and Capillary Films

Benefits of Thin Thread Mesh

- Improved ink flow with all ink types
- Produces better coverage while using less ink volume
- Excellent coverage on dark garments
- Mesh has a reduced influence on the print quality of halftone dots and other fine details - quality improves
- Less stencil cleaning work while printing, less clogging with water-based inks
- Faster underbase curing
- Reduction of some causes of moiré effect

Benefits of Surface Treatment

- Improved adhesion characteristics of small halftone dots and fine lines
- Even and consistent surface characteristics, enhanced for extreme durability
- Excellent ink release properties
- No degreasing pretreatment step prior to stencil processing, thanks to SAATI **unique plasma surface treatment**
- Excellent for use with abrasive printing conditions, inks and pastes.

Single Stroke Print Test
Left - HiDro 198.40
Right Standard 196.55



SAATI Hi-Dro[®] Mesh

Surface Treated Mesh Especially For Water-Based Ink Printing and Fine Detail Printing

Technical Data

Article	Mesh Count	Thread Diameter	Mesh Opening	Open Area	Fabric Thickness	Theoretical Ink Volume	Specific Cross Section	Max. Recom. Tension
	cm / in	µm	µm	%	µm	cm ³ /m ²	mm ² /cm	N/cm
32.70 PW	32/81	70	245	61	110	67	0.123	24-26
43.64 PW	43/110	64	170	53	100	53	0.138	27-30
48.55 PW	48/122	55	153	55	90	50	0.185	24-26
55.48 PW	55/140	48	125	50	78	39	0.099	25-28
62.48 PW	62/158	48	109	46	77	35	0.112	25-28
78.40 PW	78/198	40	85	44	65	29	0.098	20-24
90.40 PW	90/230	40	68	38	62	24	0.113	20-24
120.31 PW	120/305	31	53	40	48	19	0.091	21-24

The above data are average values measured on piece-good in relaxed state, manufactured with yarns of a perfect nominal diameter (cfr. international standards), under normal hygrometric conditions (20°C=68°F, 65% relative humidity).

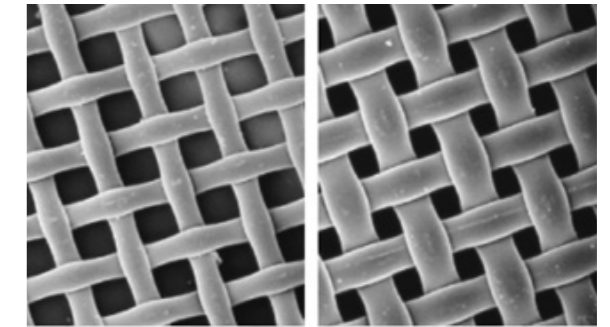
They are subject to normal variations up to 7% if conditions vary from those stated above. The listed technical specifications, exception made for the thread diameter indicated with its nominal value, are referred to the arithmetic mean value of production samples and are subject to change, in accordance with our policy of continuously improving our products.

The tension tests are realised with TOP 12 series clamp system and appropriate frames at our laboratories. PW: plain weave (1:1)



Hi-Dro

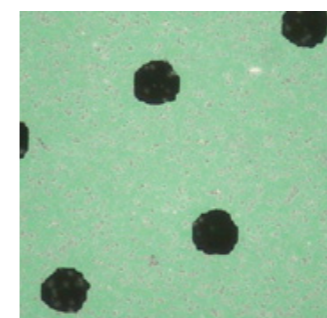
Standard Mesh



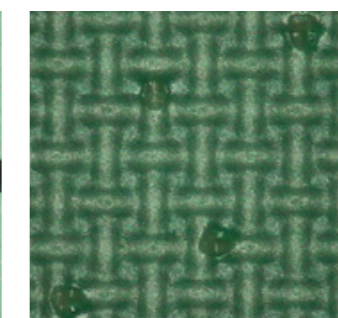
Hi-Dro

Standard Mesh

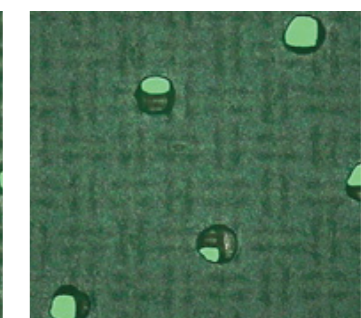
At left: SAATI HiDro 110pw64 vs a standard 110pw80.
Below SAATI HiDro 197pw40 vs a standard 196pw55.
Both examples show the result of two passes with white plastisol ink on a black t-shirt fabric.



Film Positive
5% halftone dots



Standard Mesh
5% halftone dots
Threads block the openings



Hi-Dro Mesh
5% halftone dots
High fidelity to film positive

SAATI Hi-Tex® Mesh

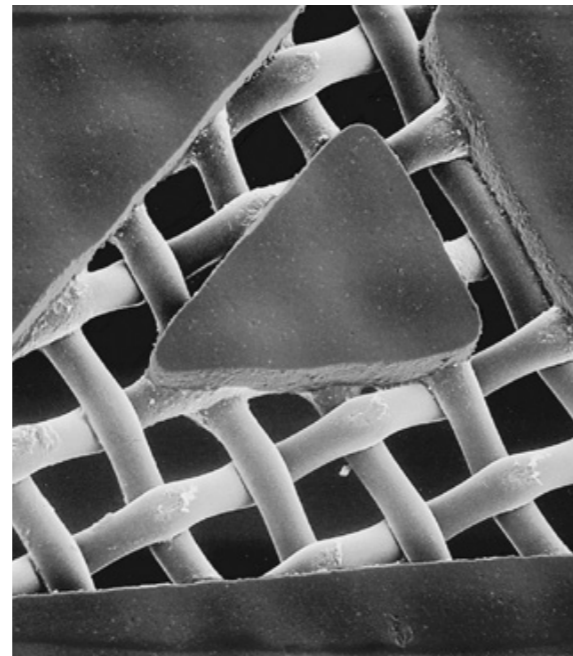
High Quality Textile Mesh Without The High Cost



For the printer looking to save on cost while not compromising the printing outcome, SAATI offers SAATI Hi-Tex printing mesh. Hi-Tex 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 lowest prices, promoting cost savings to those who do not reclaim screens or have a high turn over in screen processing.

Key Characteristics

- High tension, low elongation, monofilament polyester
- Good stencil adhesion
- Wide range of mesh count



Technical Data

Article	Mesh Count	Thread Diameter	Mesh Opening	Open Area	Fabric Thickness	Theoretical Ink Deposit	Specific Cross Section	Max. Recom. Tension From-To
	per cm	microns	microns	%	microns	cm ³ /m ²	mm ² /cm	N/cm
6,5.385 PW	6,5	385	1180	58	700	406	0,756	35-60
9.5.280 PW	9,5	280	810	55	533	293	0,585	35-60
10.5.260 PW	10,5	260	700	52	478	249	0,557	35-60
12.145 PW	12	145	700	68	270	184	0,198	35-60
12.260 PW	12	260	580	47	485	228	0,637	35-60
15.200 PW	15	200	475	50	365	183	0,471	35-60
15.260 PW	15	260	400	35	460	161	0,796	35-60
18.160 PW	18	160	400	52	285	148	0,362	35-60
21.160 PW	21	160	330	46	285	131	0,422	35-60
24.120 PW	24	120	290	50	216	108	0,271	35-60
24.145 PW	24	145	275	43	265	114	0,396	35-60
27.120 PW	27	120	250	44	222	98	0,305	35-60
27.145 PW	27	145	220	35	255	89	0,446	35-60
29.120 PW	29	120	220	41	218	89	0,328	35-60
29.145 PW	29	145	190	32	258	83	0,479	35-60
32.70 PW	32	70	245	61	110	67	0,123	24-26
32.100 PW	32	100	200	43	160	69	0,251	35-40
32.120 PW	32	120	190	38	205	78	0,362	35-60
34.100 PW	34	100	185	41	173	71	0,267	35-40
36.90 PW	36	90	190	45	145	65	0,229	35-40
36.100 PW	36	100	175	38	170	65	0,283	35-40
38.90 PW	38	90	170	42	161	68	0,242	35-40
40.80 PW	40	80	170	44	135	59	0,201	35-40
40.90 PW	40	90	160	40	148	59	0,254	35-40
43.80 PW	43	80	150	43	138	59	0,216	35-37
45.70 PW	45	70	148	47	115	54	0,173	30-34
49.70 PW	49	70	130	40	116	46	0,188	30-34
49.80 PW	49	80	120	35	138	48	0,246	34-50
51.70 PW	51	70	120	38	118	45	0,196	30-35
55.64 PW	55	64	120	41	105	43	0,177	23-31
55.70 PW	55	70	105	33	114	38	0,212	30-34
62.64 PW	62	64	90	32	106	34	0,199	30-34
68.55 PW	68	55	89	36	89	32	0,161	25-30
71.55 PW	71	55	80	33	93	31	0,169	25-30
77.48 PW	77	48	78	36	78	28	0,139	24-26
77.55 PW	77	55	70	28	90	25	0,183	27-32
90.40 PW	90	40	68	38	62	24	0,113	20-24
90.48 PW	90	48	55	27	81	22	0,163	27-29
100.40 PW	100	40	55	31	63	20	0,126	26-28
100.48 PW	100	48	40	16	81	13	0,181	30-34
110.34 PW	110	34	53	35	56	20	0,100	22-24
110.40 PW	110	40	47	26	64	17	0,138	25-30
120.31 PW	120	31	53	40	48	19	0,091	21-24
120.34 PW	120	34	45	29	54	16	0,109	24-26
120.40 PW	120	40	38	20	67	13	0,151	27-32

Bopp® Stainless Steel Mesh

Precision Woven Wire Cloth for High Tech Printing

SAATI is a direct importer of G. Bopp & Co. AG Stainless Steel Wire Cloth. Bopp Precision woven wire cloth is produced in Switzerland under strict ISO 9001 international certification. SD wire cloth is woven to ultra tight tolerances for the most demanding screen printing applications. Whether for electronics, solar, graphics, or ceramic applications, Bopp wire is considered of the highest quality available in the world.

Specifications

Ink deposit uniformity and close tolerance registration are challenges that Bopp SD Wire Cloth is uniquely suited to address. Many years of research and dedication to being an industry leader has resulted in a wide selection of specifications to meet a variety of needs. Different wire diameters, mesh openings and fabric thickness offer a wide range of selection for your deposition needs. Within any mesh count there is a range of wire diameters to choose from. Wire diameters range from .0007 to .0045, mesh counts from 60/in to 500/in, plain and some twill weave and also type 304 and 316 stainless steel.

Tolerances

Bopp AG is unique in the position of manufacturing all their wire needs. In house control of wire drawing offers precision control that is unmatched by their competitors. This control translates to closer tolerances and greater accuracy in your printing operation. Individual roll inspection sheets can be supplied to you upon request. These sheets detail overall fabric thickness measurements in microns, from left, center and right sides at every meter of the entire length of the roll.

Calendared Material

Bopp's critically acclaimed calendaring capability is recognized world wide as the finest in dialing in a customized calendared fabric thickness. Maximum calendaring in cases beyond 30% of the wire diameter doubled, is capable with their most advanced state of the art calendaring technology. Calendaring from "soft" = approx. 10% to "standard" approx. 20% to "heavy" 30%+, always of original thickness of mesh if possible.

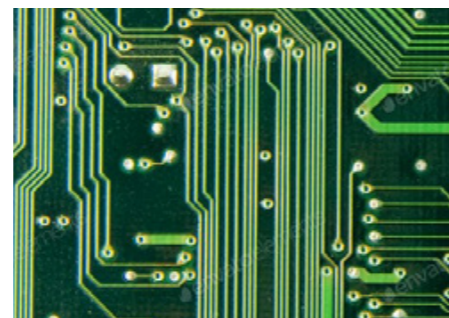
Custom Sheeting

For your convenience, Bopp wire is available in custom sheets, cut for the maximum yield, to meet your specifications.

Bopp SD Plus Wire

New generation BOPP SD PLUS screen printing meshes are capable of achieving tension values up to 50% and more above and beyond traditional meshes. Increased screen tension improves the print result, especially with lower off contact distances, and increases accuracy of registration. Unused tensioning capacity facilitates a considerably longer screen life and improvements in process efficiency. Typical tension values for SD PLUS meshes have been established under optimum working conditions. These should be adapted in accordance with the condition of the actual frame and tensioning equipment.

Datasheets detailing recommended tension values are available upon request.



Technical Data

Bopp SD Code	USA Specification ANSI/AWCI 01-1992		Metric Specs*	Open Area	Cloth Thickness As Woven-AW		Theoretical Ink Deposit	Theoretical Maximum Tension
Mesh Op/d	Mesh Threads /in	Wire Diameter d Inch/mm	Width of Aperture (opening) Microns	% op % op a/o	Average d microns	Average d inch	AW as Woven Vth cm ² /m ²	AW as Woven Newton N/cm
224/100	80	.0040/.100	224	48	215 ± 4	0.0085	103	40
160/75	105	.0030/.075	160	46	162 ± 4	0.0064	75	40
140/65	120	.0026/.065	140	47	140 ± 3	0.0055	65	40
125/65	135	.0026/.065	125	43	140 ± 3	0.0055	61	40
118/56	145	.0020/.056	118	46	120 ± 3	0.0047	55	38-40
100/50	165	.0020/.050	100	44	110 ± 3	0.0043	49	36-38
95/45	180	.0018/.045	95	46	102 ± 3	0.004	47	33-35
90/40	200	.0016/.040	90	48	90 ± 3	0.0035	43	31-33
75/36	230	.0014/.036	75	46	80 ± 3	0.0031	37	30-32
63/36	250	.0014/.036	63	40	80 ± 3	0.0031	32	31-33
59/32	280	.0012/.032	59	42	68 ± 2	0.0027	29	29-31
56/36	270	.0014/.036	56	37	80 ± 3	0.0031	30	32-34
56/32	300	.0012/.032	56	40	68 ± 2	0.0027	28	30-32
50/30	325	.0011/.030	50	39	62 ± 2	0.0024	24	46-48
50/28	325	.0011/.028	50	41	58 ± 2	0.0023	24	
40/28	370	.0011/.028	40	35	58 ± 2	0.0023	20	29-31
40/25	400	.0010/.025	40	38	51 ± 2	0.002	19	37-42
40/23	400	.0009/.028	40	40	48 ± 2	0.0019	19	36-40
Heavy Grades								
100/65	150	.0026/.065	100	37	140 ± 3	0.0055	51	40
80/50	200	.0020/.050	80	38	110 ± 2	0.0043	42	40
63/40	250	.0016/.040	63	37	90 ± 2	0.0035	34	35-37
56/40	270 TW	.0016/.040	56	34	88 ± 2	0.0035	30	34-38
42/36	325 TW	.0014/.036	42	29	76 ± 2	0.003	22	36-38
36/28	400 TW	.0011/.028	36	32	60 ± 2	0.0024	19	28-31
32/25	450 TW	.0010/.025	32	32	54 ± 2	0.0021	17	28-31
25/25	510 TW	.0010/.025	25	25	54 ± 2	0.0021	14	31-33
Ultra Thin Grades								
100/65	150	.0026/.065	100	37	140 ± 3	0.0055	51	40
80/50	200	.0020/.050	80	38	110 ± 2	0.0043	42	40
63/40	250	.0016/.040	63	37	90 ± 2	0.0035	34	35-37
56/40	270 TW	.0016/.040	56	34	88 ± 2	0.0035	30	34-38
42/36	325 TW	.0014/.036	42	29	76 ± 2	0.003	22	36-38
36/28	400 TW	.0011/.028	36	32	60 ± 2	0.0024	19	28-31
32/25	450 TW	.0010/.025	32	32	54 ± 2	0.0021	17	28-31
25/25	510 TW	.0010/.025	25	25	54 ± 2	0.0021	14	31-33

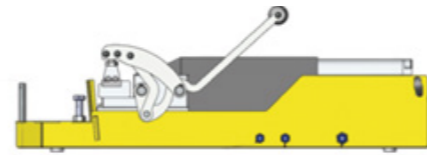
* ISO 4783-1 1989

Pre-Stretched Screens

High Quality Stretched Screens Made with SAATI Mesh and Adhesives

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.

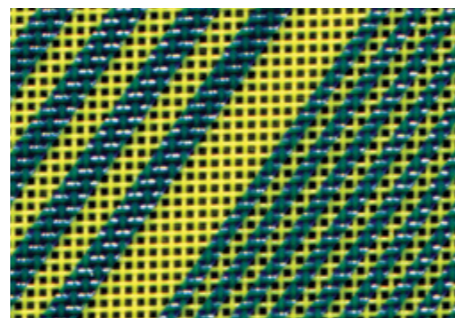
White or yellow SAATI Hitex mesh is pre-stretched to SAATI's recommended tension levels on aluminium frames with profiles of 1.5 x 1.5" with a .070" wall thickness and adhered with durable SAATI SB5 Plus polyurethane glue. Standard mesh counts between 86 and 305 are available, some in multiple thread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



SAATI Pre-Stretched screens are always produced using SAATI clamps and resist tension loss



SAATI Pre-Stretched Screens are made with SAATI SB Series Adhesives for superior chemical resistance



High quality SAATI HiTex Mesh goes in every SAATI Pre-Stretched Screen

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 SB Series 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												
Size	86.1	110.8	125.7	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	YE	YE	YE	YE	YE	YE
23x31	WH	WH	WH	WH	WH/YE	YE	YE	YE	YE	YE	YE	YE
25x36	WH	WH	WH	WH	WH/YE	YE	YE	YE	YE	YE	YE	YE

For more information, or to place an order, call us at 1-800-431-2200. For Safety Data Sheets (SDS), please send an e-mail to: info.US@saati.com

Roller Panels

Pre-Prepped Mesh Panels for Easy Installation in Roller Frames



The Roller Panel was engineered to simplify the tedious process of installing new mesh to roller frames by "locking in" all of the necessary preparation work required to consistently produce evenly stretched frames. The locking strips are securely sewn into place using high quality polyester thread. This process securely retains all of the alignment and specific measurements to achieve premium results, eliminating 60 percent of the time required to stretch mesh onto nearly every type of roller frame. The panels are designed to be fully compatible with most brands of roller frames.

Key Products Characteristics

- Locking strips pre-woven into standard side panels of mesh
- Stretch to recommended tension easily
- Available in all of the most used SAATI HiDro & HiTex mesh counts
- Save 60% of the time associated with stretching mesh in roller frames
- Each panel clearly labeled for cataloguing
- Stretch frames without the need for adhesives

Your Benefits

- Increased efficiency through a more repeatable stretching process
- More repeatable stencils result in more predictable printing results
- Work in a more environmentally friendly way

HiTex Spec	Hi-Dro Spec
86/100 White	81/70 White
110/80 White	110/64 White
110/80 Yellow	
125/70 White	122/55 White
140/64 White	140/48 White
158/64 Yellow	157/48 White
180/55 White	157/48 Yellow
196/55 White	198/48 Yellow
196/55 Yellow	
230/48 Yellow	230/40 Yellow
255/40 Yellow	
280/40 Yellow	
305/34 Yellow	305/31 Yellow
305/40 Yellow	

Other mesh counts can be available upon request

Eco Frame Panels

Pre-Prepped Mesh Panels for Easy Installation in Nortech Graphics Eco Frames

SAATI also produces mesh panels for use in ECO Frames.

The mesh is securely attached without adhesives. Recycling mesh panels supports a “chemical free” wash booth process. Re-stretching on demand eliminates shipping frames back and forth, reducing the carbon footprint.



Key Products Characteristics

- No adhesive failures
- No potential mesh damage during frame shipment
- Restretch in house in 1-2 minutes
- Free your floorplan from stretching equipment and still stretch in-house

Environmental Benefits

- No adhesive to apply or remove
- No need to ship frames back for re-stretching
- Ship hundreds of mesh panels in a regular static frame box
- Recycle both the mesh and strips after use. Nothing goes to a landfill



Cost Savings

- No adhesive
- No potential mesh damage during frame shipment
- Restretch in house in 1-2 minutes
- No bulky stretching equipment

ECO HiTex	ECO Hi-Dro
86/100 White	81/70 White
110/80 White	110/64 White
110/80 Yellow	110/64 Yellow
125/70 White	122/55 White
140/64 White	140/48 White
158/64 Yellow	157/48 White
180/55 White	157/48 Yellow
196/55 White	196/48 Yellow
196/55 Yellow	198/40 Yellow
230/48 Yellow	230/40 Yellow
255/40 Yellow	
280/40 Yellow	
305/34 Yellow	305/31 Yellow
305/40 Yellow	

Other mesh counts can be available upon request



Screen Frames

Nortech Graphics Eco Frames

ECO frames are constructed using 100% recyclable aluminum.

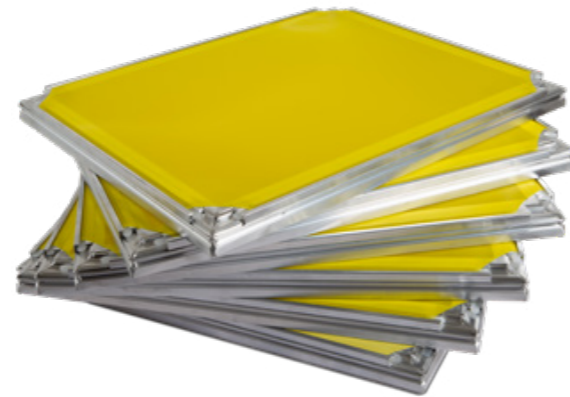
The ECO Frame product line was designed to accommodate a host of needs presented in the screen printing industry.

The ECO Frame provides the ability to be well prepared for whatever complexities the consumer demands. Within two minutes you can change mesh counts and move on to your next job.

The ECO Frame allows printers to stretch on demand, with no adhesives that can fail in the reclaim process or harm the environment.

With the ability to store 18 panels in the space of one frame this dramatically reduces shipping expenses and warehouse space required.

The ECO Frame is not only a cost-effective and time-saving solution, it is also eco friendly!



The ECO Frame has quickly gained popularity in the industry for the reasons listed above and many more. It is constructed from a superior grade of aluminum for strength and consistency, and is produced using cutting-edge technology and trade-specific engineering. ECO Frames will continue to offer the consumer a super-efficient product delivering a sustainable item that will save time and money for years to come.



Key Product Characteristics

1. The frames are constructed using fully recyclable aluminum.
2. The mesh panels are 100% recyclable.
3. The mesh is securely attached without adhesives.
4. Recycling mesh panels supports a “chemical free” wash booth process.
5. Re-stretching on demand eliminates shipping frames back and forth, reducing the carbon footprint.

One Simple Tool

Bring mesh to tension in 1-2 minutes with no floor space requirements

Frames

The Most Reliable Standard and Retensionable Frames

Eino Drawbar Frames (Retensionable)

The Draw-Bar Frame system is a U-shaped channel with an enclosed fabric locking bar. It is drawn outward with numerous bolts to tension and adjust the screenprinting fabric. The Draw-Bars are manufactured for maximum flexibility and strength to achieve perfect screen tensions throughout the image area. The ease of the locking systems allow for excellent fabric installation and alignment. The ability to adjust onpress misregistration within the frame itself makes it the most accurate system available.

The locking systems commonly used with the Draw-Bar Frames are the Keystone™ Nylon and Top Loading™. The Keystone system utilizes a single tapered nylon rod which slides into the Draw-Bar through the end of the frame. This system is recommended for wire mesh and frames with narrow profiles because of its pretensioning ability.

The Top Loading system uses two round rods which are snapped into the Draw-Bar with a wheel-type insertion tool. This locking system allows for the fabric to be secured simply and evenly. The round nylon rods come in three color-coded diameters to accommodate all mesh counts.

White – High mesh counts
Blue – Standard mesh counts
Black – Low mesh counts, wire mesh

Applications

- Printed Circuits
- Decals
- Membrane Switches
- Serigraphy
- Signage
- Face Panels
- POP/POS
- Glass
- Clear Coating
- Large Format

Features

- Manufactured to custom specifications
- ± 1 N/cm accuracy in tensioning
- On-press micro-registration capabilities
- Fully welded, guaranteed watertight for life
- Stainless steel hardware available
- Variety of models to choose from for each application

Glue-On Draw-Bar

The Glue-On Draw-Bar Frame replaces the standard locking system with one that has a removable plastic strip, allowing the frame to be used over and over again in the stretch-and-glue process. Replacement inserts are available.

Keystone Locking Rods

White

Top-Loading Double Nylon Locking Rods

White – High mesh counts
Blue – Standard mesh counts
Black – Low mesh counts, wire mesh

Glue On Surface

(Detachable Insert)

Draw-Bar Frame, Keystone, and Top Loading are trademarks of Eino/Olec Corporation.



Frames

The Most Reliable Standard, Retensionable and Quick Tension Frames

Newman Roller Frames (Retensionable)



Retensionable printing frames allow for unlimited retensionability to achieve ultra-high tensions. Whether printing manual or automatic, ultra-high tension levels provide:

- Higher snap force provides faster squeegee speeds and shorter printing stroke
- Less squeegee pressure results in:
 - Less ink penetration into textiles for more opaque coverage
 - Reduced ink consumption
 - Less ink build-up on print side of screens, therefore fewer wipe downs
 - No need to re-register

Textile Printing

The M-ZX™ Manual Textile Frames are engineered to print at 100 N/cm, increasing productivity by 35%. The standard size Automatic Textile Frames are also engineered to print at 100 N/cm.

High Tolerance Printing (±.001" Over 2')

The Newman Roller Frame is the state-of-the-art choice for close tolerance printing applications like printed circuits, face panels, membrane switches and decals. Its high tension advantages, combined with its linear reproportioning feature (LR), allow on-press adjustments to achieve tolerances of ±.001" over 2 feet!

Specialized polyester fabrics can now be retensioned and work-hardened to tension levels comparable to, or exceeding, those of stainless steel. Thus a more accurate ink transfer is achieved, leading to reduced registration problems and smear.

Additionally, the LR feature is a 1-3 minute adjustment on press to compensate linearly for any print distortion beyond your control.

GSF Aluminum Frames (Standard)

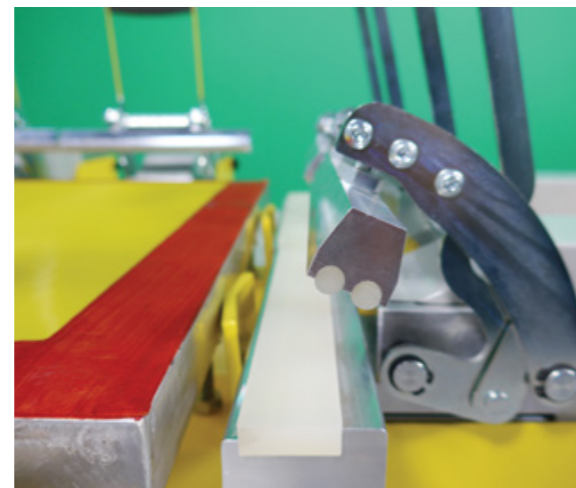
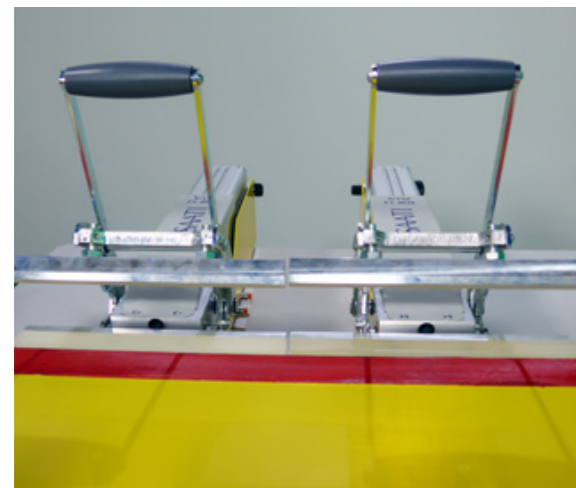
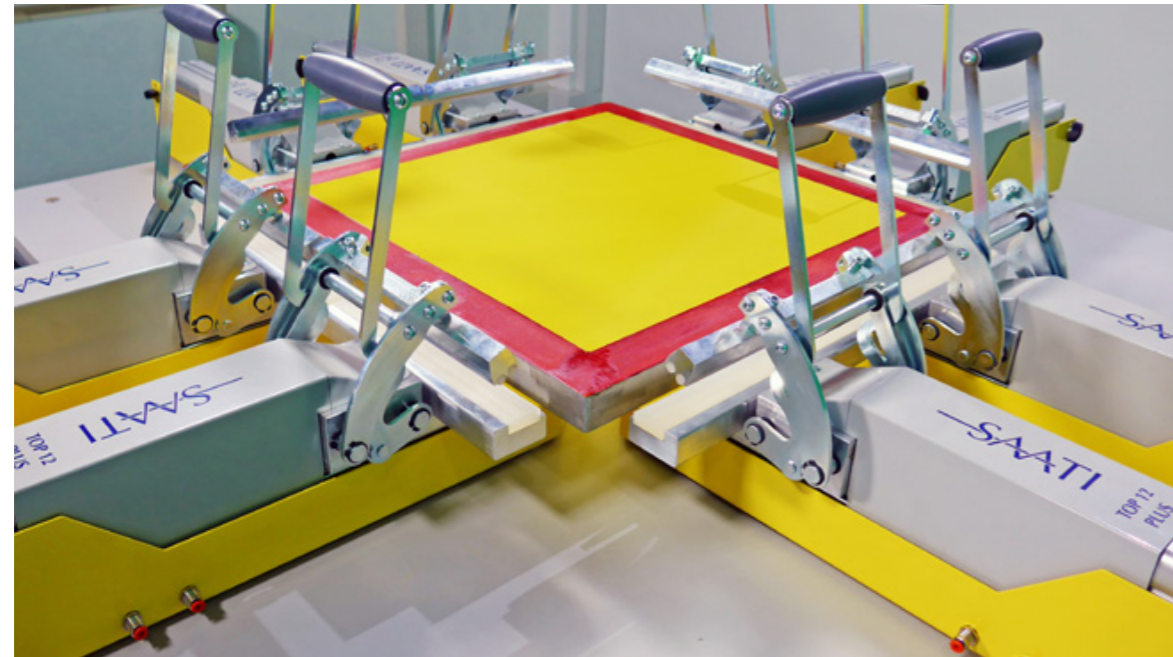
At GSF, they know that a strong, sturdy, lightweight frame will enable you to tension screens properly and maintain good print registration throughout the print run. That is why they use only the strongest aluminum alloy available, and guarantee corner construction for the life of the frame.

Custom-made to your exact requirements, these quality welded metal 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.



Type	Profile Thickness	Wall Thickness	Recom. Max OD Length
1	1/2" x 1"	0.125"	18"
2	3/4" x 3/4"	0.125"	18"-24"
3	3/4" x 1 1/2"	0.125"	31"-36"
4	1" x 1"	0.070"	18"-24"
5	1" x 1"	0.125"	24"-30"
6	1" x 1 1/2"	0.125"	30"-36"
7	1" x 2"	0.125"	40"-45"
8	1 1/4" x 1 1/4"	0.095"	26"-30"
9	1 1/4" x 1 1/4"	0.125"	30"-35"
10	1 1/2" x 1 1/2"	0.070"	31"-36"
11	1 1/2" x 1 1/2"	0.095"	36"-40"
12	1 1/2" x 1 1/2"	0.125"	40"-50"
13	1 1/2" x 2"	0.125"	50"-55"
14	1 1/2" x 2 1/2"	0.125"	55"-75"
15	1 1/2" x 3"	0.125"	90"-105"
16	1 1/2" x 4"	0.125"	120"-140"
17	1 3/4" x 5"	0.125"	200" and up
18	2" x 2"	0.125"	60"-70"
19	2" x 3"	0.125"	70"-80"
20	2" x 4"	0.125"	140"-160"
21	2" x 6"	0.125"	240" and up

Stretching Equipment



SAATI Top 12 Plus

Rapidly Stretch Screen Off-Contact with Durable, Intuitive Stretch Clamps

The new SAATI Top 12 Plus Clamp provides optimum pneumatic screen tensioning. This highly advanced yet easy to use system achieves the highest recommended tensions more uniformly, without over-tensioning the corners.

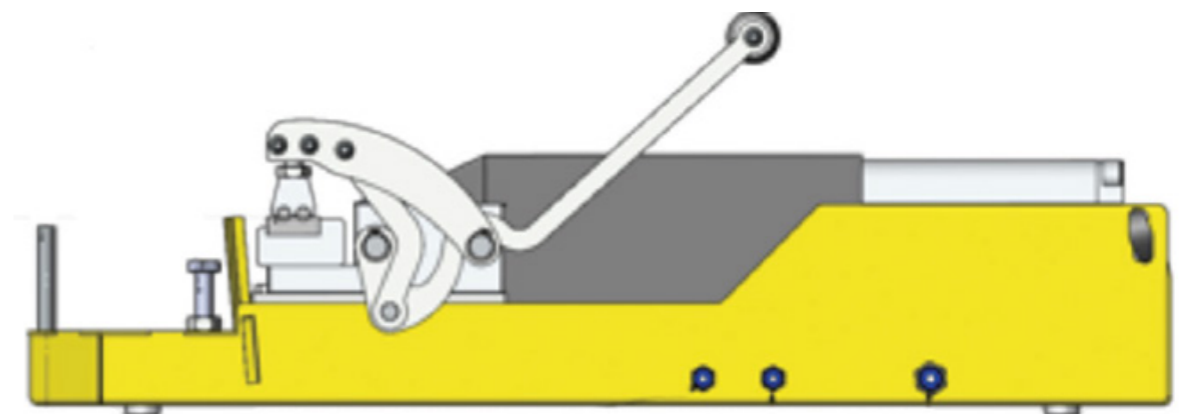
It provides the greatest stability of any system available. Among the most notable features of this premier stretching system is its independent or simultaneous warp/weft tensioning capability (when used with optional control panel).

In addition, its unmatched, **patented** "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 120mm (4.7") stroke per clamp allows for almost 250mm (9.8") of total stretch in each direction. A special pneumatic device lifts the mesh above the frame for stretching, while the clamps hold (and pre-bow) the frame. Once the desired tension is achieved, the mesh is lowered for adhesion to the frame. The constant tension stabilizes mesh quicker than any other system.

SAATI clamps feature a uniquely-designed modular plug-in system for easy set-up in minutes.



SAATI Top 12 Plus

Rapidly Stretch Screen Off-Contact with Durable, Intuitive Stretch Clamps

Technical Features

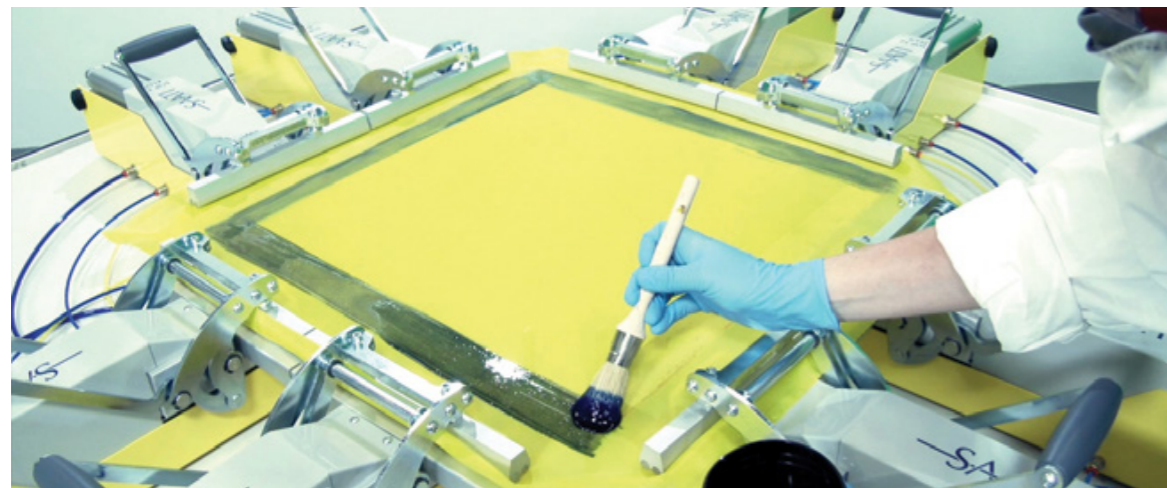
- CE Certified
- Internal components extruded in aluminum, exterior in powder coated steel
- Independent pneumatic control for both horizontal axis (via optional control panel)
- Daisy chain connection, no manifold needed
- Adjustable frame support

Benefits

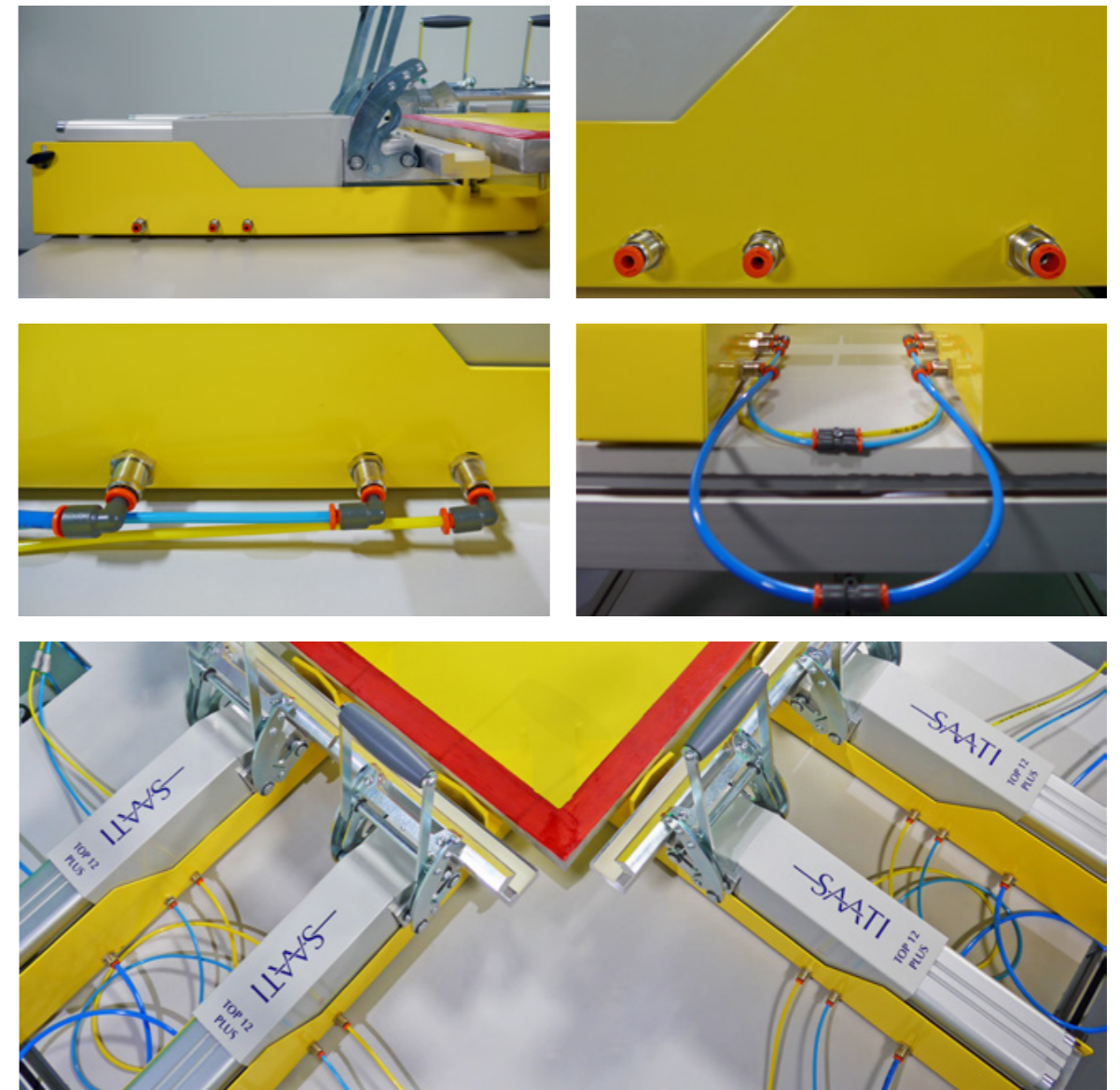
- Higher tension, longer stroke
- Tension from small frames to extremely large frames
- Very high degree of repeatability
- High reliability, easy maintenance

Top 12 Plus Technical Specifications	
Clamp Weight	10 kg
Clamp Total Length	652 mm
Stretching Stroke	120 mm
Lifting Stroke	15 mm
Clamp Length to Frame Contact Point	540 mm
Maximum Tension	60 N/cm
Compressed Air	95-100 PSI (humidity free air line required)
Jaw Width	250 mm (std) 150 mm (on request)
Table Size	Frame external size + 108 cm

SAATI Top 12 Plus Clamp and with [SAATI Ultrafix SB Series](#) 2-part polyurethane adhesive.

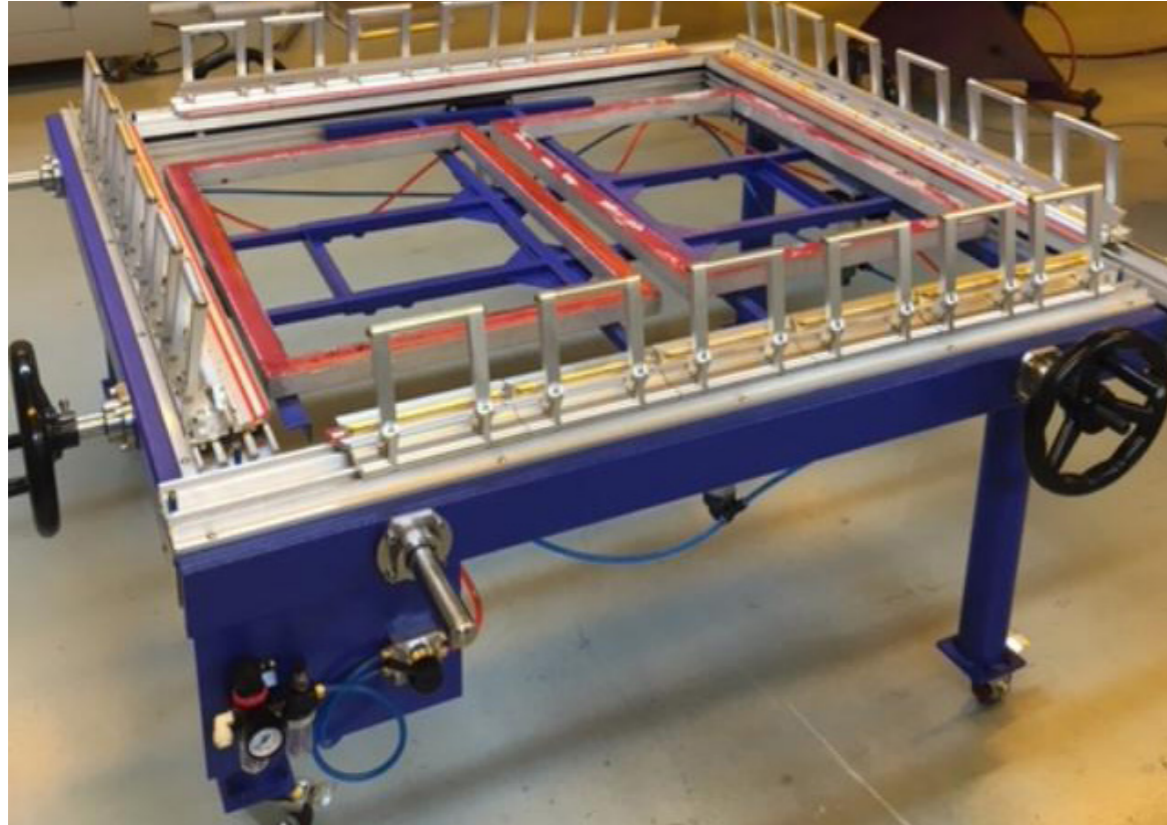


Clamp Connections



SAATI Stretch Manual

The Highest Quality Manual Stretcher



Correct screen tensioning is vital for enhanced registration characteristics, uniform ink deposit, and longer screen and stencil life. The SAATI Stretch Mechanical provides the highest reliability and control of any mechanical stretching system. Among the most notable features are its independent warp/weft tensioning capability and self-standing configuration that eliminates the need for a table or external power requirements.

Characteristics

- Four pairs of 90 angled guiding rails for clamp carriages
- Four stretching devices (hand wheel), one located on each guide rail allowing all 4 sides to adjust tension
- Four support legs with locking casters so the machine can be adjusted easily or relocated easily
- One set of clamp carriages (12-8" and 8-6")
- Four continuously adjustable pneumatic screen supports for frame lift up
- One pneumatic control unit attached to guiding rails for frame lift up

Features

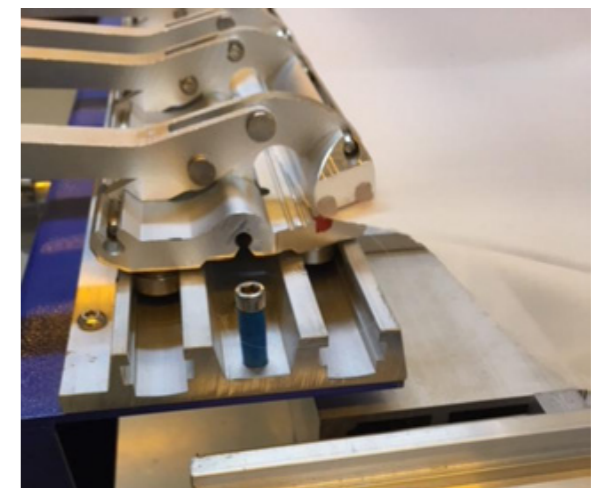
- Stretch one screen up 46 x 50", or two screens 25x36" or smaller
- Optimum Tension Uniformity
- Optimum Tension Capability
- Ongoing Tension Adjustment
- Complete Independent Control of Warp & Weft Tension
- No frame/mesh contact during tensioning
- Tension mesh at an angle relative to the frame

Benefits

- Rapid Screen Set-up
- Multiple Screen Tensioning in one operation
- Longer Screen Life
- Minimal Initial Training
- Easily Adjustable/Expandable
- Specially Designed Non-slip, Laterally Moving Clamps

Specifications

- Weight approximately 280 Kg (613 lbs)
- Minimum floor space required: 52" x 48" (for 50 x 46" set up)



SAATI Adhesives

Frame Adhesives

ULTRAFIX is SAATI's product line for screen printing adhesives. They attach mesh to frame with durable bonds and the highest resistance against screen cleaners and an outstanding adhesion on all different screen frames: both wood and metal. Adhesive removers complete our product range.

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 metal and wooden frames
- Available in 3 viscosities for all mesh counts

Product	Optimal Mesh Count (in)	Viscosity
Ultrafix CA50	300-508	High
Ultrafix CA100	196-380	Medium
Ultrafix CA150	17-196	Low



Ultrafix C-Flex™

Rubber-toughened, spray-activated cyanoacrylate adhesive

- More flexible than conventional cyanoacrylate adhesives
- Flexibility reduces damage to mesh during printing and injury to workers during handling
- Cures instantly
- Highly resistant to water and solvents
- Provides excellent bonding strength and high shear strength, yet easy to peel
- For use on wood and metal frames
- Recommended for mesh counts 305-508

Available in 16-ounce containers.

Ultrafix CA Activator

Cures cyanoacrylate adhesive instantly

- Available in two types of dispensers: aerosol and pump
 - For use with all Ultrafix CA series and C-Flex
- Activator A (aerosol) is available in 10-ounce cans.
Activator P (pump) is available in 8-oz and 1-gal containers.*

Ultrafix CA Debonder

Removes cyanoacrylate adhesives

- Sold with a pump dispenser
 - Softens/dissolves Ultrafix CA series and C-Flex
- Available in 8-ounce containers.*

Ultrafix Remover

Removes Ultrafix adhesives

- Convenient gel or liquid form
- Effective on urethane-based and cyanoacrylate adhesives

Gel available in quart and 1-gallon containers.

Liquid available in 1 quart, 1, 5 and 50 gal containers

SAATI Adhesives

Adhesives for Screen Production and Securing Media On-Press



Ultrafix SB Plus Series

Fast-curing, 2-part, urethane-based adhesive with superior resistance to aggressive solvents

Ultrafix SB4 Plus

- Extraordinary initial adhesion allows to glue screen mesh also on untreated aluminum frames (sleek)
- Extraordinary initial adhesion allows screens to be removed from the stretching system only minutes after applying
- Superior resistance to solvents and heat; ideal in automatic cleaning machine
- Ultrafix SB4 Plus is low viscosity adhesive for medium to fine fabrics mesh-counts.



Ultrafix SB5 Plus

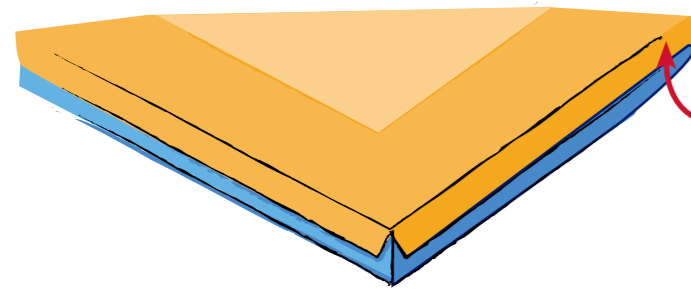
- Extraordinary initial adhesion allows to glue screen mesh also on untreated aluminum frames (sleek)
- Extraordinary initial adhesion allows screens to be removed from the stretching system only minutes after applying
- Superior resistance to solvents and heat; ideal in automatic cleaning machine
- Ultrafix SB4 Plus is low viscosity adhesive for medium to fine fabrics mesh-counts.

Description	SB4 Plus	SB5 Plus
Viscosity	Low	Medium
Color	Green	Red
For Mesh Counts	>55	>55
Pot Life	90-120 min	30-50 min
Mixing Ratio	5 parts : 1 part catalyst	5 parts : 1 part catalyst
Why Choose This Product	Can be used on untreated aluminum frames (sleek). Suggested for automatic machines. Slower	Can be used on untreated aluminum frames (sleek). Suggested for automatic machines.

To help you determine which type of frame adhesive is best for your application, the following comparison outlines the differences between cyanoacrylate systems and two-part systems

	CA Series	SB Series
Ease of Application	No mixing required; spray-activated	Requires mixing, and once mixed, is subject to a limited pot life
Drying Time	Instant (<30 seconds)	Approximately 5-15 Minutes
Durability	Slightly less than a two-part	Best of all Adhesive Systems

Adhesive Tech Tips

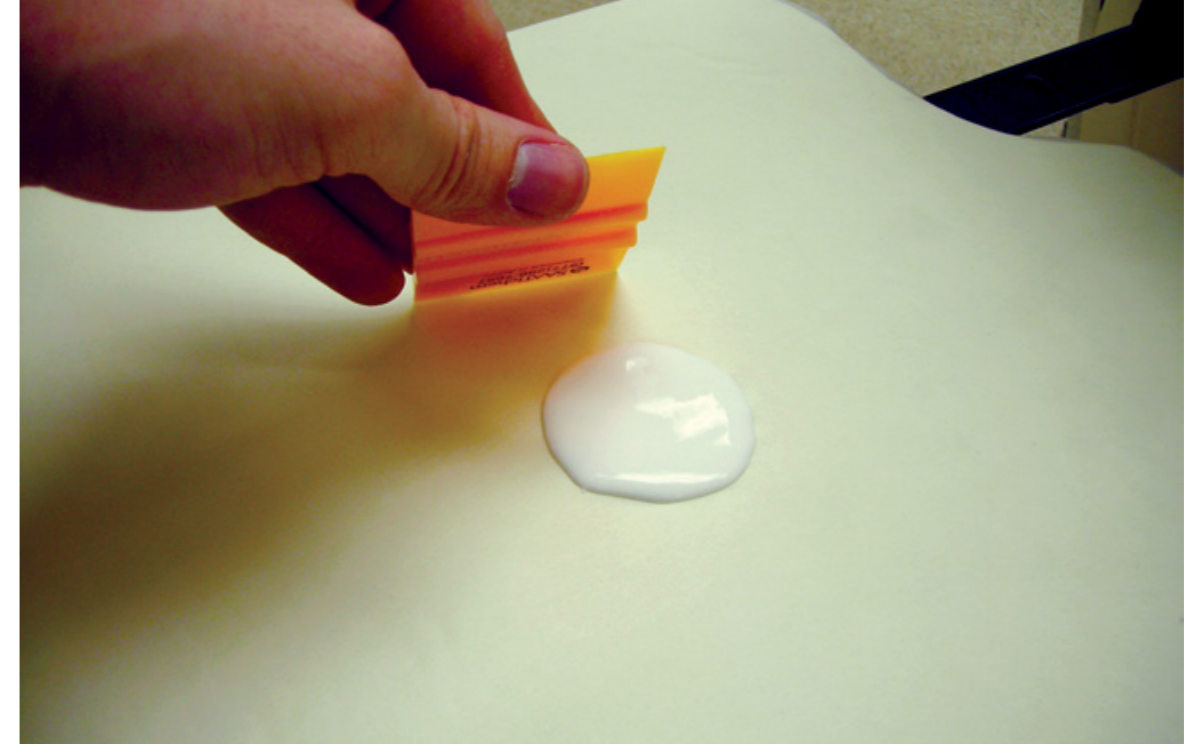


Maximize Screen Life

Leave strips of extra mesh outside the frame edge after stretching. Glue the extra material to side of frame then brush on [Finish WU2](#). this Polyurethane topcoat prevents solvent attack and loss of adhesion

Avoid Adhesive Failure

1. You must make sure the frame-gluing surface is not too smooth. Sometimes a rough (80 grit) sandpaper is needed to give the frame some "tooth" or area that the adhesive can grab;
2. Your frames should be clean of old fabric, ink, oils, and excessive adhesive residue. Adhesive-to-adhesive bonds are not as strong as adhesive-to-metal or adhesive-to-wood bonds. Frames can be cleaned with a debonder solvent or a solvent like acetone;
3. Adhesives proper selection will ensure that they will flow through the fabric and provide a good bond by bridging the gap between the fabric and the frame;
4. When using two-part adhesives that need to be mixed it is important to follow the manufacturer's recommendation for the proper mixing ratio;
5. When you activate a cyanoacrylate adhesive with either the pump or aerosol type activator (this speeds drying time) keep in mind that it only takes a light misting to start the curing process. If you spray too much activator on the adhesive, you can cause the adhesive to turn white or "bloom." This can affect the adhesive's strength;
6. You only need a thin coating of adhesive to adhere the fabric to the frame. If the adhesive layer is too thick, the activator may only cure the top portion, while the portion that is in contact with the frame is still wet and may not cure for a few more minutes. If you feel that you need a thick layer of adhesive for solvent resistance, add a second layer after the first layer is fully cured;
7. Check to make sure your frames are not warped, and that the face of the frames are completely level. If your frame does not lie flat, this may cause the fabric to remain raised off affected areas of the frame surface after you pass these spots with the adhesive applicator.



Pallet Adhesives

Ultrafix PT Series

Spreadable Liquid Textile Pallet Adhesive

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

Premium Mist Pallet Adhesive

For use with standard garments. Available in 13 oz. containers.

Dri-Web Pallet Adhesive

For use with fleece, heavy-weight sweatshirts and jackets. Available in 13 oz. containers.

Premium Flash Pallet Adhesive

For flash-curing techniques. Available in 14 oz. containers.

Poly Squeegee (Scrapers)

Available in 2-inch and 6-inch sizes.



Mesh Preps & Degreasers

SAATI Mesh Preparation Chemicals

The SAATI product range comprises a full suite of products to enable screen preparation and recycling. SAATI mesh preparation products are easy to use and provide consistent results with any mesh and economy of use. Our Direct Prep series is specially designed to clean and prepare your screen mesh surface. They improve film lamination and the coating and bonding of direct photo-emulsions, resulting in optimum stencil performance and durability.

Direct Prep goes a step beyond conventional degreasers and actually treat the fabric surface with a wetting agent, making the screen more “wetable” than an untreated, or simply degreased screen. Screens treated can hold an unbroken sheet of water on their surface when rinsing for completely uniform stencil adhesion. They can be used on any mesh count.

Direct Prep 1

Ready-to-use, one-step mesh micro-abrader, wetting agent and degreaser

- Prepares new monofilament synthetic fabric
- Does not clog mesh openings
- Dyed colour ensures complete rinse from mesh

Highly recommended for use with capillary films

Direct Prep 2

Combination Degreaser / Wetting Agent

- Ready-to-use liquid wetting agent and degreaser
- Powerful detergent and degreaser in one step restores mesh after reclaiming
- Blue color



Direct Prep 3

Concentrated Degreaser/Wetting Agent

- 10 to 1 concentrated liquid wetting agent and degreaser
- Concentrated formula for economy
- 100% Biodegradable
- Brown color

Direct Prep 4

Ready-to-use, detergent-based degreaser

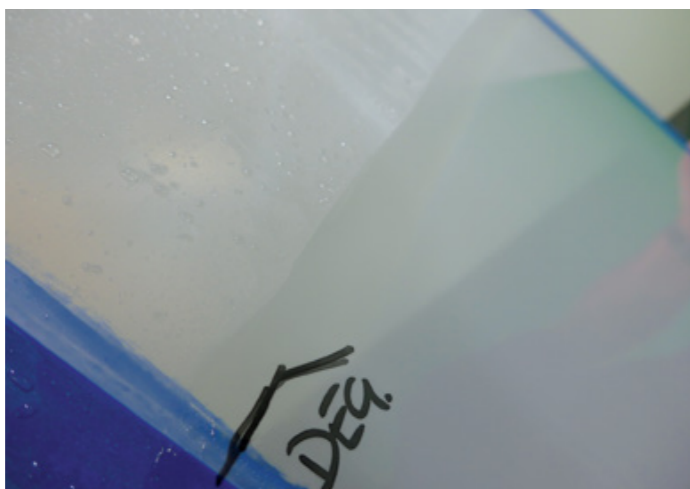
- Use in spray applications
- Recommended for use with diazo and dual-cure emulsions
- Can also be used as a concentrated hard surface cleaner

Description	Direct Prep 1	Direct Prep 2	Direct Prep 3
Viscosity	High	Low	Low
Color	Green	Green	Brown
Mixing Ratio	Ready to use	Ready to use	10 parts : 1 part water
Why Choose This Product	Paste suitable for low mesh count.	Universal use. Degreases and cleans.	100% Biodegradable. Concentrated. Suggested for Pure Photopolymer emulsions

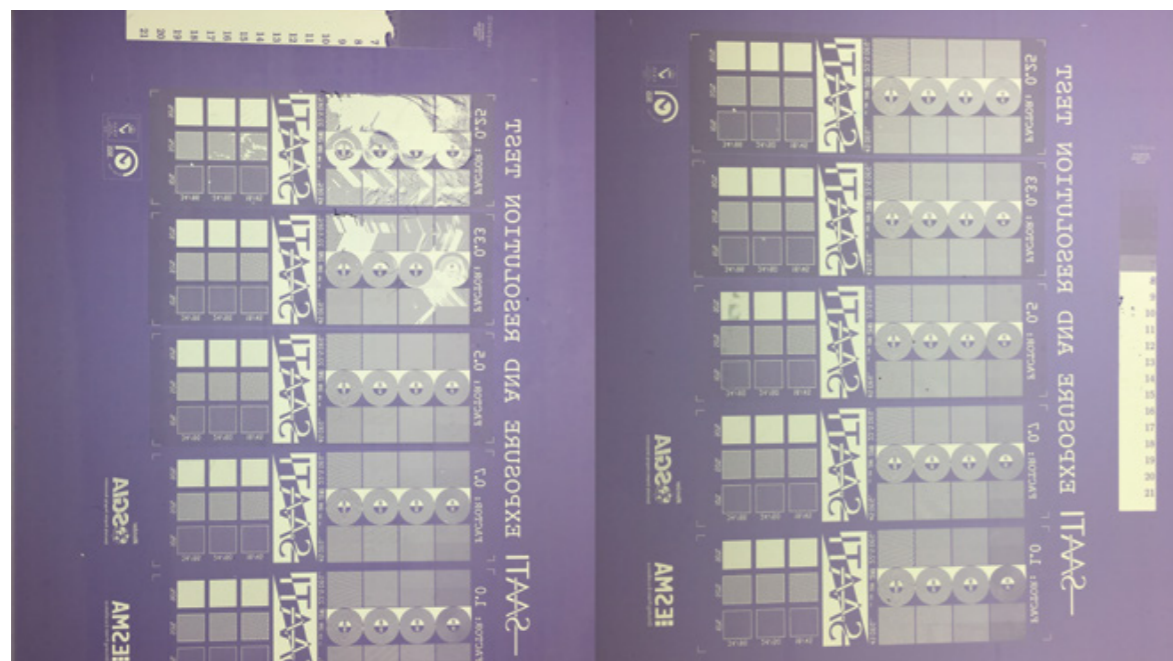
Mesh Preps & Degreasers

Demonstrating the Degreaser Difference

Non-degreased portion with streaky surface, leading to un-even emulsion on mesh adhesion and final thickness



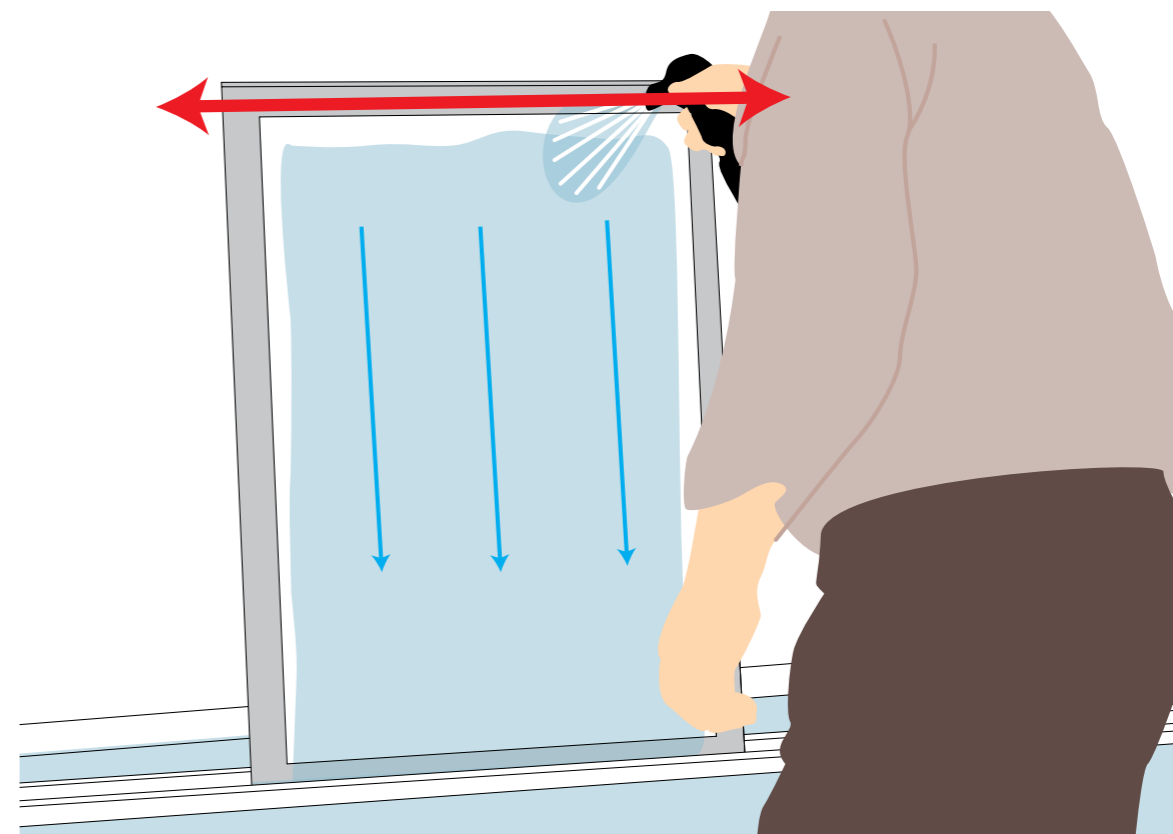
Degreased portion: even hydrophilic surface that improves emulsion adhesion



Using SAATI Mesh Preps & Degreasers improves stencil quality in every way, but it is most apparent when the stencil is accidentally underexposed. In both photos above, the left side is not degreased, and the right side is properly degreased, which imbues the mesh with a smooth, even hydrophilic property. The stencil on the degreased portion adheres better and would endure for longer on press, even with the under-exposure apparent in the most filtered steps of the [Exposure Calculator Test](#).

Degreaser Tech Tip

Correct Direct Prep Rinsing Technique



Following the application and wash-off of SAATI Direct Prep products, the final rinse technique is critical to preparing an optimal coating surface. To correctly rinse a pretreated screen, flood it with a garden hose at the top, pointing the nozzle downward and rinse horizontally across the top of the screen, to create an unbroken cascade effect.

This technique results in a uniformly wet surface that will dry evenly and later coat evenly. If you notice disruptions in the flow of water down the fabric then you have identified remaining contaminants on the mesh surface that must be removed before they can compromise coating quality or create fisheyes in a coated screen.

SAATI Screen Emulsion

SAATIgraf Emulsion

The World Class Range of Emulsions for All Types of Graphics Printing

The SAATIgraf range of emulsions encompasses pure photopolymer, dual-cure and diazo technologies. SAATIgraf emulsions feature wide latitude and yield high resolution stencils with fewer pinholes. The high solids content and medium viscosity of SAATIgraf emulsions produce low Rz stencils with good print definition on any mesh count.

All SAATIgraf emulsions are easy to reclaim, non-hazardous and totally biodegradable.

SAATIgraf emulsions are available in 1-quart, 1-gallon, 5-gallon and 50-gallon containers.

Diazo-Based

Grafic DS2

Our most affordable graphics emulsion

- Diazo emulsion resistant to UV-cured, solvent-based and plastisol ink
- Fast exposing with wide exposure latitude
- Easy to reclaim
- Very economical and simple to use



Dual-Cure

Grafic HU

Our most versatile emulsion

- Blue or red dual-cure emulsion
- Resistant to UV-cured, plastisol, solvent-based and water-based inks
- Controlled particle size results in excellent print definition on any mesh
- Upon drying, lacks the tackiness typical of dual-cure emulsion
- Grafic HU red is also available



SAATIgraf Emulsion

The World Class Range of Emulsions for All Types of Graphics Printing

Grafic HS

Our most affordable dual-cure

- Red, blue, violet or clear Dual-Cure emulsion
- Resistant to UV-cured, plastisol, and solvent-based ink

Grafic HSS

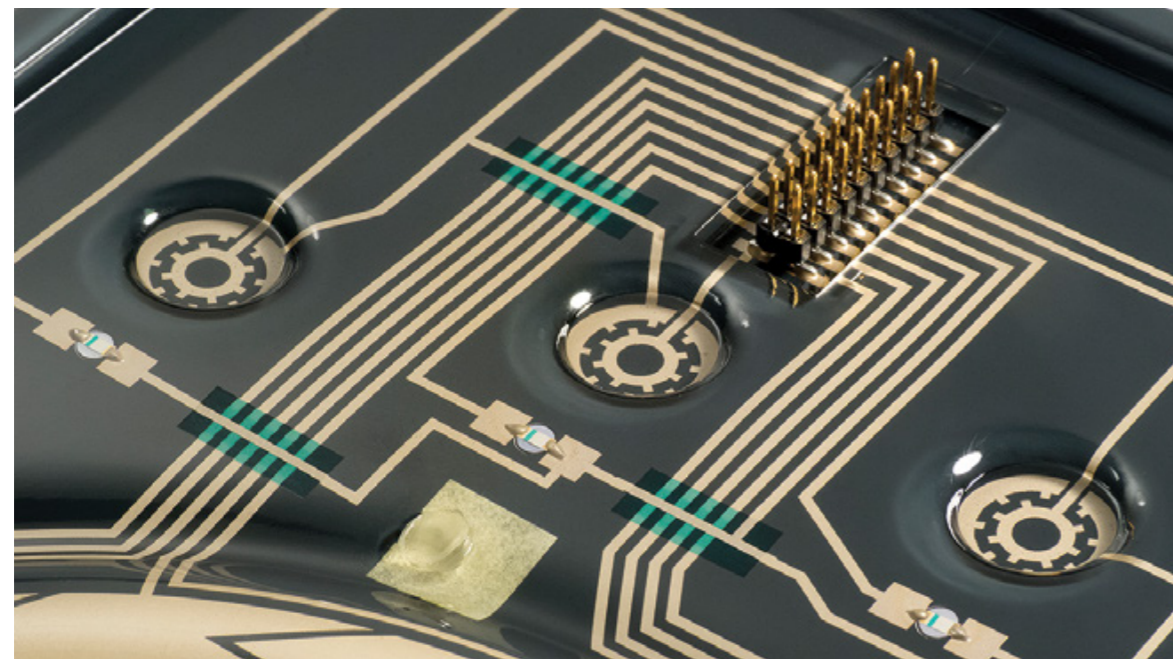
Dual-Cure With Ultimate Solvent Resistance

- Use with NMP and DMAC inks
- Very easy to reclaim

SAATIgraf HSX Blue/HSX3

Dual-Cure For High-Tech Electronics & Industrial Printing Including Touch Screen, Solar Cell, and Ceramic Capacitor

- Blue or red dualcure emulsion
- Dual-cure direct emulsion with very high solvent resistance for industrial printing
- Extremely high resolution and definition
- Designed for use on stainless steel and synthetic mesh
- 37% solids content



Pure Photopolymer

Grafic PU

Versatile Photopolymer Graphics Emulsion

- Blue pure photopolymer emulsion
- Resistant to UV-cured, plastisol and solvent-based ink. Water resistant when post-exposed
- High solids content and medium viscosity for excellent print definition on any mesh
- Easy to reclaim
- Pre-sensitized with no mixing required, long shelf life with consistent performance
- SBQ technology, exposes 4 times faster than two part emulsions and leaves no diazo stains
- Low friction stencil surface for improved durability when used with abrasive inks



Grafic PS

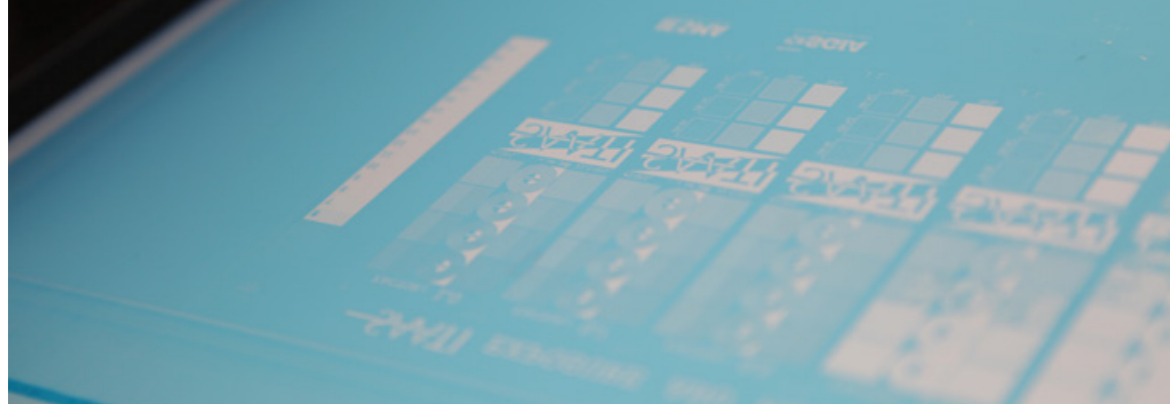
Versatile Photopolymer Emulsion To Replace Dual-Cure

- Blue pure photopolymer emulsion
- Resistant to UV-cured, plastisol and solvent-based ink. Water resistant when post-exposed
- High solids content and medium viscosity for excellent print definition on any mesh
- Exposes 4 times faster than diazo or dualcure emulsions with no mixing required
- Very resistant to solvent and very easy to reclaim
- Make dual-cure quality stencils with 1-part emulsion, and no mixing required, long shelf life & no diazo stains

Grafic PS1 Red

Graphics photopolymer emulsion

- Red pure photopolymer emulsion
- Resistant to UV-cured, plastisol and solvent-based ink
- Exposes three times faster than diazo or dualcure emulsions with no mixing required
- Very easy to reclaim
- Very solvent resistant
- 1-part emulsion replaces 2-part solvent-resistant emulsions with no mixing, no stains, and long shelf life



SAATIgraf Emulsion

The World Class Range of Emulsions for All Types of Graphics Printing

Computer to Screen

Grafic PS2 Blue

Graphics photopolymer emulsion

- Blue pure photopolymer emulsion
- Resistant to UV-cured, plastisol and solvent-based ink
- Exposes three times faster than diazo or dualcure emulsions with no mixing required
- Very easy to reclaim
- Very solvent resistant
- 1-part emulsion replaces 2-part solvent-resistant emulsions with no mixing, no stains, and long shelf life



Grafic PS3

High resolution pure photopolymer graphics emulsion

- Blue pure photopolymer emulsion
- Resistant to UV-cured, plastisol and solvent-based ink
- Exposes three times faster than diazo or dualcure emulsions with no mixing required
- Very solvent resistant
- Super easy to reclaim, no pressure washer required
- High resolution and definition for a wide exposure latitude

Grafic PS4

High resolution pure photopolymer graphics emulsion

- Blue pure photopolymer emulsion
- High solids content and medium viscosity
- Resistant to UV-cured, plastisol and solvent-based ink
- No mixing required, same exposure time as a dual-cure
- Very solvent resistant
- Super easy to reclaim, no pressure washer required
- High resolution and definition for a wide exposure latitude
- Dual-cure replacement: Coats and exposes the same as a dual-cure

SAATIgraf CTS7

Fast Exposing SBQ Photo Emulsion Designed For Use With [Computer To Screen](#)

- Blue, one part pure photopolymer emulsion
- Highly solvent-resistant and super easy reclaiming
- Designed for use with all solvent-based and UV-Cured inks
- Exposes 4 times faster than diazo or dual-cure emulsions
- Super easy to reclaim, no pressure washer required
- High resolution and definition for a wide exposure latitude
- 38% solids & medium viscosity for optimum coating quality & stencil performance



SAATIgraf CTS10

Fast Exposing SBQ Photo Emulsion Designed For Use With [Computer To Screen](#)

- Blue, one part pure photopolymer emulsion
- Highly solvent-resistant and super easy reclaiming
- Designed for use with all solvent-based and UV-Cured inks
- Exposes 8 times faster than diazo or dual-cure emulsions
- Super easy to reclaim, no pressure washer required
- High resolution and definition for a wide exposure latitude
- 38% solids & medium viscosity for optimum coating quality & stencil performance

SAATIgraf HS8

Fast exposing high resolution dual-cure emulsion designed for industrial printing specifically with [LTS exposure](#)

- Blue/green dual-cure emulsion
- Maximum resolution and good edge definition for industrial printing applications
- Suitable for use with both synthetic and stainless steel wiremesh
- Excellent resistance to solvent-based, UV-Cured, two-part, and plastisol inks
- Fast exposure (for a dual-cure) with wide exposure latitude and easy developing
- Very good solvent resistance
- Designed specifically for use with [SAATI LTS](#) laser direct exposure system to maximize stencil quality

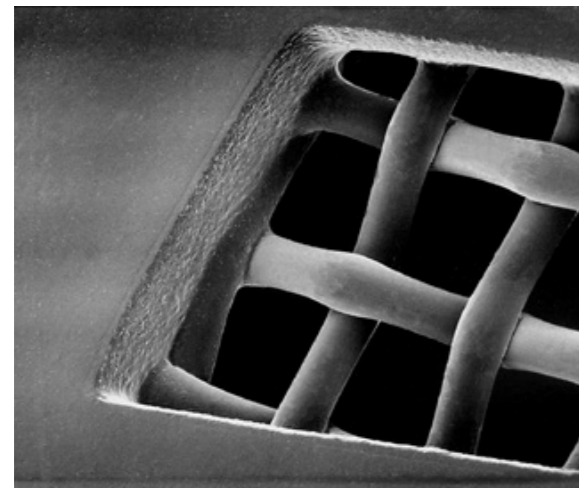
SAATItex Emulsion

The World Class Range of Emulsions for Apparel and Other Textile Printing

SAATItex emulsions are designed specifically for the garment and textile industries. The SAATItex range encompasses pure photopolymer, dual-cure, diazo and our unique triple-cure technologies. SAATItex emulsions feature wide latitude and yield high-resolution stencils with fewer pinholes. The high solids content and medium viscosity of SAATItex emulsions give good coverage on all mesh counts.

All SAATItex emulsions are non-hazardous and biodegradable.

SAATItex emulsions are available in 1-quart, 1-gallon, 5-gallon and 50-gallon containers.

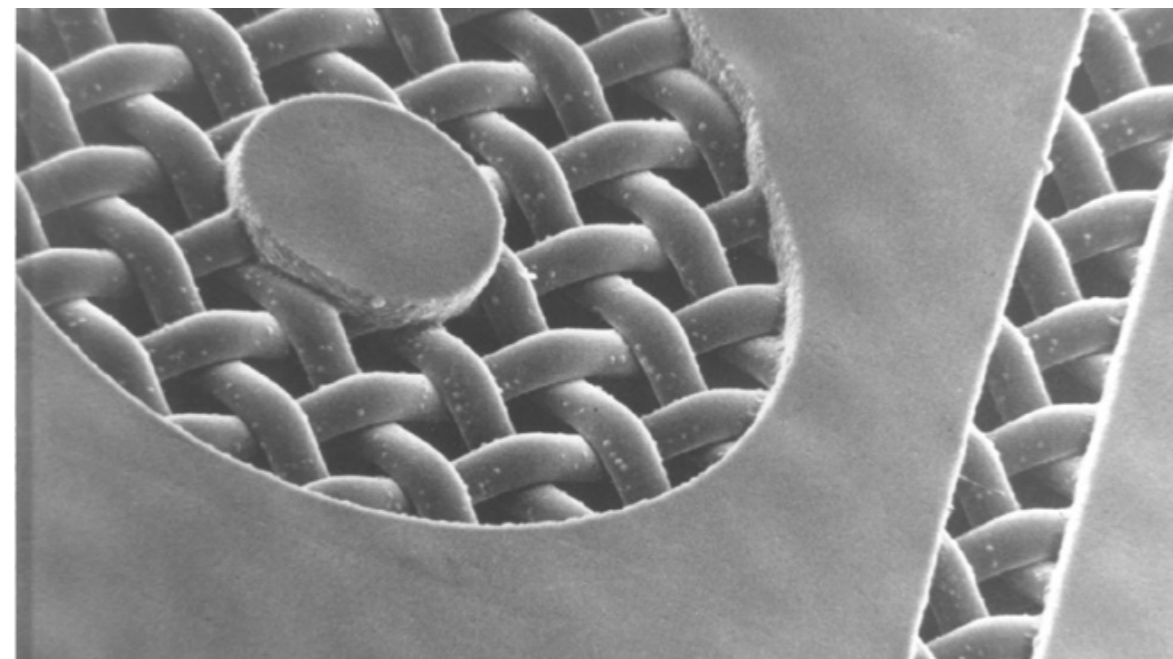


Diazo-Based

Textil DW

High-Resolution Water & Solvent Resistant Dual-Cure Emulsion for Multi-Purpose Textile Printing

- High resolution dual-cure that's resistant to water-based & plastisol inks
- High solids 43% and medium viscosity for easy coating on wide range of mesh counts



Dual-Cure

SAATItex HU-MP

High-Resolution Water & Solvent Resistant Dual-Cure Emulsion for Multi-Purpose Textile Printing

- High resolution dual-cure that's resistant to water-based & plastisol inks
- High solids 43% and medium viscosity for easy coating on wide range of mesh counts
- Easy reclaim
- Wide exposure latitude for good resolution with many different types of imaging/exposure systems, incl. multipoint LED lamps
- Solvent & water-resistant and designed for use with HSA, hybrid and PU water-based inks, as well as discharge and plastisol
- Ink receptive surface for good imaging properties with ink/wax based computer to screen systems

Triple-Cure

Textil HT

Produces permanent, waterproof stencils for textile printing

- Blue high-resolution emulsion designed for textile printing applications
- Its unique triple-cure technology results in outstanding mechanical resistance and durability
- Not reclaimable after catalyzing with [SAATI Fixer 9](#)

SAATItex Emulsion

The World Class Range of Emulsions for Apparel and Other Textile Printing

Pure Photopolymer

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 PHW

Pure photopolymer emulsion for thick stencil production

- High solids content (48%) and viscosity can produce 3000 micron stencil thickness with simple coating procedure.
- Exposes 10 times faster than diazo or dual-cure emulsions
- Resistant to plastisol inks, water and high humidity
- Optimum elasticity

Textil PHU

All Purpose Solvent AND Water Resistant Photoemulsion

- 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
- Available in red, 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

All Purpose Solvent AND Water Resistant Photoemulsion

- Red one-part, pure photopolymer emulsion, no mixing required
- 47% solids content and medium viscosity, easy coating on wide range of mesh
- Fast exposure, approximately 4x faster than typical two part emulsion
- Can be used with plastisol, water-based and discharge inks
- Solvent resistant and easy to reclaim
- Suitable for [Direct Exposure](#) [Computer-to-Screen](#)
- Can be used with Diazo 11 when extra sharpness is required for high resolution



SAATItex Emulsion

The World Class Range of Emulsions for Apparel and Other Textile Printing

SAATItex PHU-HR

High Resolution Solvent AND Water Resistant Photoemulsion

- Red one part pure photopolymer emulsion with universal ink resistance
- SBQ technology, exposes 6 times faster than two part emulsions and leaves no diazo stains
- Easy Reclaim
- 42% solids and high viscosity for easy coating and good bridging on all mesh counts
- 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



SAATItex PHU-MT

All Purpose Solvent AND Water Resistant Photoemulsion

- Blue one part pure photopolymer emulsion with universal ink resistance
- Exposes 8X faster than typical two part emulsions
- 45% solids and high viscosity for easy coating and good bridging on all mesh counts
- 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
- Can be used with Diazo 11 when extra sharpness is required for high resolution



Computer to Screen

SAATItex CTS

Computer to Screen Emulsion for Garment, Textile And Flag Printing

- Violet Pure Photopolymer
- Extremely fast exposure approximately 30 times faster than dual-cures or diazo
- Extra resistant to water-based and discharge inks when post-exposed

SAATItex PHU-DLE

Emulsion for Garment, Textile And Flag Printing Specifically Designed for DLE Systems like SAATI LTS

- Red one-part photopolymer emulsion with universal ink resistance
- 10x exposure speed for rapid imaging on wide range of mesh counts
- 43% solids content & high viscosity for easy coating on wide range of mesh counts
- Fast exposing with wide latitude for high resolution stencils
- Resistant to water-base & discharge inks, simply post-expose for maximum durability, and no need for chemical hardener
- Designed to reclaim easily and for use with all automatic reclaim equipment as well as manual use



SAATI Fixer 9

Increases Your Stencil's Water Resistance For More Impressions Per Screen

- Works as a catalyst with triple-cure emulsions Textil HT, Vitrum HT and Ceramic HT to make a permanent, solvent-resistant and waterproof stencil
- Works as an emulsion hardener with water-resistant emulsions such as [Grafic HU](#) and [Textil DW](#) to make a more durable stencil

Fixer 9 is available in 1-quart and 1-gallon containers.



SAATlvit Emulsion

The World Class Range of Emulsions for Printing on All Types of Glass



Vitrum is SAATI's line of high-quality emulsions for screen-printing on a broad range of glass products. From glass containers and bottles to appliances and automotive glass, Vitrum emulsions satisfy the most demanding expectations for print definition, stencil resolution, solvent resistance and durability.

The Vitrum range encompasses dual-cure and our unique triple-cure technologies.

All Vitrum emulsions are non-hazardous and biodegradable. SAATlvit emulsions are available in 1-quart, 1-gallon, 5-gallon and 50-gallon containers.

Vitrum HU

Built-In Features Specially Designed For Glass Printers

- Blue, high-resolution dual-cure emulsion
- Resistant to UV-cured, plastisol, solvent-based and water-based inks
- High solids content gives controlled stencil build-up
- Upon drying, lacks the tackiness typical of dual-cure emulsion - meaning less image distortion from vacuum blanket, less wear on stencil and squeegee and easier registration

Vitrum HHU Blue

Maximum Resistance to Glass Printing Inks

- Blue, Pure Photopolymer emulsion
- Very high solids and high viscosity for optimum control of stencil thickness
- Water, solvent and abrasion resistant

Vitrum HT

Produces Permanent, Durable Stencils

- Blue high-resolution emulsion
- Its unique triple-cure technology results in outstanding mechanical resistance and durability
- A very high solids content to produce low Rz stencils and very thick stencils
- Not reclaimable after catalyzing with [SAATI Fixer 9](#)

Fixer 9 Catalyst Sold Separately

SAATlvit CTS

Computer to Screen Emulsion for Glass Printing

- Blue Pure Photopolymer emulsion
- Water, solvent and abrasion resistant
- Extremely fast exposing for optimum productivity of [CTS](#)
- Approximately 30 times faster than dual-cure or diazo

SAATI Screenmaking Film

SAATI offers a complete range of capillary films. Thickness ranges from 12 microns up to 700 microns and allows high quality film-based stencils to be used for most major printing applications. SCF photopolymer films process fast for maximum productivity.

They offer 100% consistent performance and are unaffected by storage or processing in less than ideal climatic conditions. This film exposes fast and produces robust stencils. Ideal performance for textile and electronics printing applications that require very thick and well-controlled ink deposits.

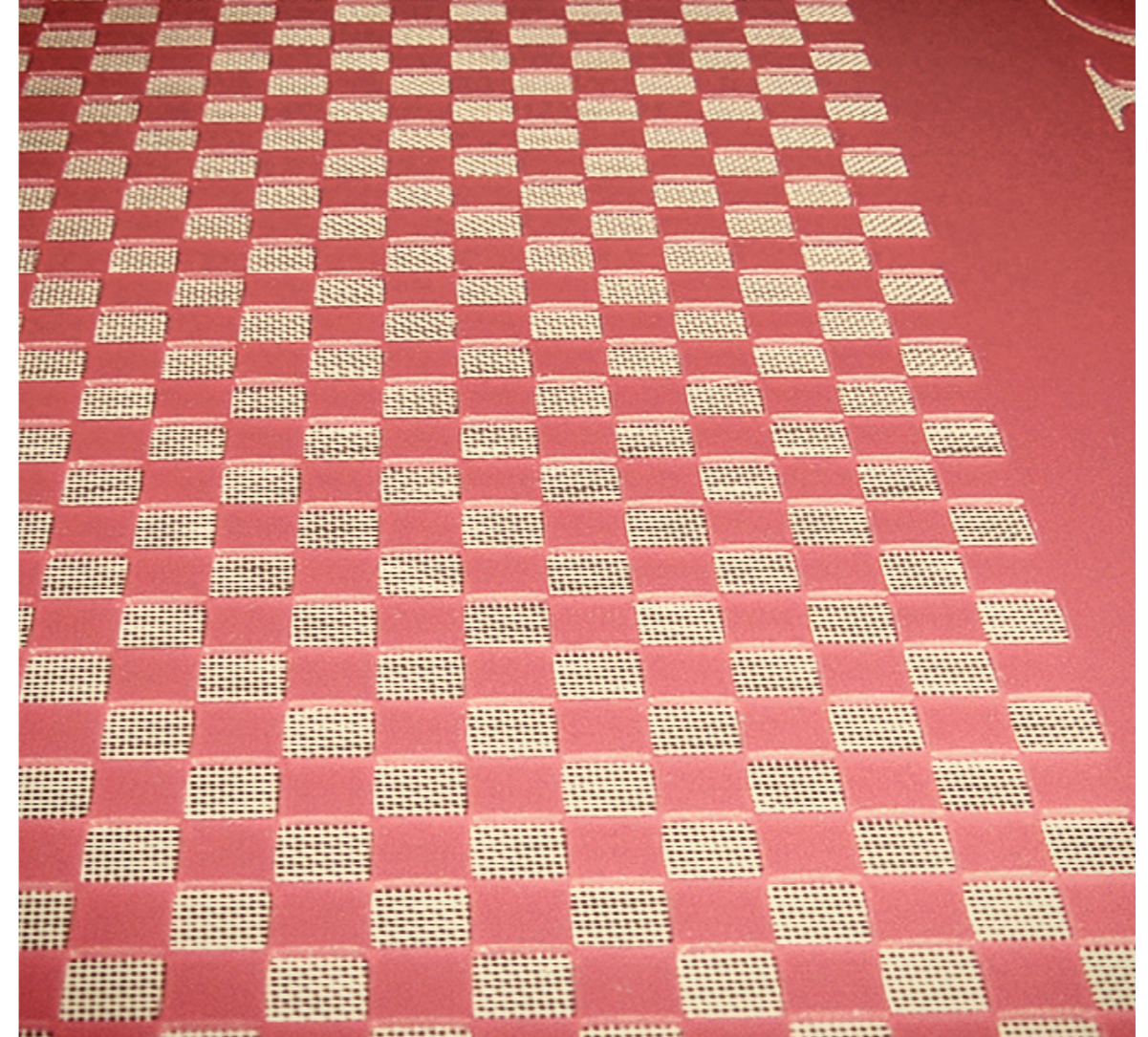
The World Class Range of Direct and Indirect Films for Stencil Making

SCF Capillary Film

Fast exposing solvent and water resistant capillary film. Exposes three times faster than comparable diazo film. Long shelf life. Easy to reclaim. Can be used with solvent based, UV-Cured, plastisol and water based inks. [Post exposure](#) recommended for use with water based inks.

Characteristics

- Fast exposing (3x) SBO-based capillary film for textile printing
- Solvent & water resistant (with post-exposure) and can also be used with discharge inks
- Easy reclaim
- Color coded by thickness
- Available in thicknesses of 16, 20, 25, 30, 40 & 50 microns



DCF Capillary Film

SAATI DCF Series Capillary Film is designed for use with all solvent based inks. It varies in color depending on micron thickness and comes in six different thicknesses.

Characteristics

- Fully solvent resistant for use with all solvent based & UV-cured inks
- High resolution
- Easy reclaim
- color coded by thickness
- Available in thicknesses of 15, 20, 25, 30, 35 and 50 microns

DCF Supersharp

DCF Super Sharp stencil film represents the result of years of work to create the finest direct stencil film available. DCF Super Sharp was developed to meet the needs of the industrial printing market, specifically manufacturers of touch screen displays and solar cells, as well as membrane switches and graphic overlays. This film provides wide exposure latitude with the sharpest edge definition, and boasts exceptional resistance to the aggressive solvents used during [on-press cleaning](#).

Characteristics

- Red capillary film specially designed for the most demanding industrial printing applications
- Highly solvent resistant
- Enhanced sharpness for maximum image resolution and print definition
- Designed for use in patterning of functional materials and industrial graphics printing
- Can be used with [stainless steel](#) and [synthetic mesh](#)
- Available in thickness of 15, 20, 25 and 40 microns

SAATI Thik Film

Direct Film for High Density Stencils

Thik Film is a presensitized high-density capillary film now offered by SAATI, the leader in emulsion technology. Thik film features a specially formulated red photopolymer emulsion that ensures a faster exposure, consistent stencil thickness, and excellent printing results every time. Thik Film is durable and a great time saver, enabling the production of thick stencils in one easy process.

Features

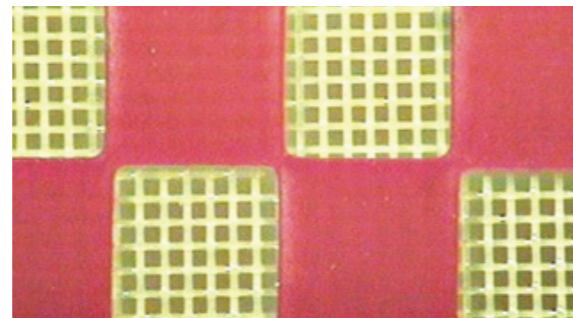
- Easy to handle
- High resolution
- Minimal exposure time
- Ideal for ceramics, electronics and textile applications
- Excellent durability
- Time saver in screen preparation
- Extended shelf life
- Great print quality
- Perfect for high-density printing

Thik Film is available in thicknesses of 100, 200, 300, 400 and 700 microns.

All thicknesses are available in sheets of 8.5in x 14in (22cm x 36cm), 14in x 17in (36cm x 43cm), and custom cut sizes

Thik Film In Detail

- Red photopolymer emulsion coated on easy handling photobase paper support.
- Can be applied as capillary film and then back-coated with emulsion as a separate step.
- Alternatively, mounts in a single step by emulsion lamination.
- Easy-release paper provides anti-stick surface.
- Minimizes adhesion to glass during exposure and resists pick-up of flashed ink films.
- Can be used with Thik back-coating emulsion
- Blue emulsion serves as indicator of correct exposure



Total Stencil Thickness					
Product	Mounting	30PW260 (390 µm)	61PW120 (180 µm)	81PW70 (90 µm)	110PW80 (110 µm)
Thik 100	Capillary	430	230	150	170
	Lamination	450	245	170	185
Thik 200	Capillary	530	330	250	270
	Lamination	550	345	270	285
Thik 300	Capillary	630	430	350	370
	Lamination	650	445	370	385
Thik 400	Capillary	730	530	450	470
	Lamination	750	545	470	485



Thik Backing Emulsion

Thik Backing Emulsion improves Thik Film exposure latitude and adhesion during developing as well as increasing durability on press. After film is applied and dried, put two or three coats of emulsion on squeegee side of screen. It is particularly recommended for use with Thik 300 and above, and is also used as optimal exposure indicator, as per these instructions:

Using Thik Backing Emulsion

Exposure can be accurately determined for any combination of mesh count/color with Thik film by using the Thik film back-coating emulsion as follows.

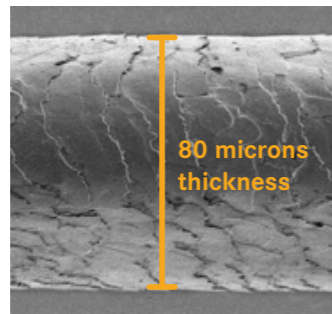
1. Mount Thik film to the mesh as a capillary film and then dry.
2. Apply two coats of Thik film back-coating emulsion to the squeegee side and dry.
3. Carry out a stepped exposure sequence using a range of times.
4. After developing choose the lowest time that is able to harden the blue emulsion on the squeegee side of the screen sufficiently to withstand a normal developing procedure.

Exposure Time Chart (seconds of 6kW Exposure at 1.5m distance)					
Product	30 Mesh White	61PW120 White	81PW70 White	110PW80 White	110PW80 Dyed
Thik 100	60	38	30	30	75
Thik 200	120	75	60	60	150
Thik 300	240	180	120	150	300
Thik 400	400	300	240	300	400

ProCoat Screen Coaters

The SAATI Pro Coat Series provides perfect solutions 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.

The average human hair has a width of 80 μm . With SAATI ProCoat equipment it is possible to program emulsion thickness to within $\pm 2 \mu\text{m}$. Your level of control is 40x finer than a human hair!



80 microns thickness
2 microns thickness

Characteristics

- Coats screens simultaneously front and back
- Fully programmable
- Set dwell, coats and speed per side
- Carriage enclosed for safety
- Simple coating troughs attachment
- Belt driven for smooth maintenance free operation
- 110 volt, 20 amp
- 90 psi less than 1 cfm
- 6 month warranty

Features

- Set a program and get repeatable stencils, which result in a more repeatable print
- Maximize consistency
- Easy to use touchscreen display

Benefits

- Set a program and get repeatable stencils, which result in a more repeatable print
- Control the consistency of both the thickness and roughness across the entire stencil surface in order to achieve the highest possible print quality

Installation

Due the unique construction of the SAATI Pro Coat machine, it is easily installed by customer. Simply connect an airline and plug-in. Easy to operate with no assembly is required.

Leasing available, please inquire.



[ProCoat](#)



[ProCoat VF](#)



[ProCoat SF-C](#)



[ProCoat SF-T](#)



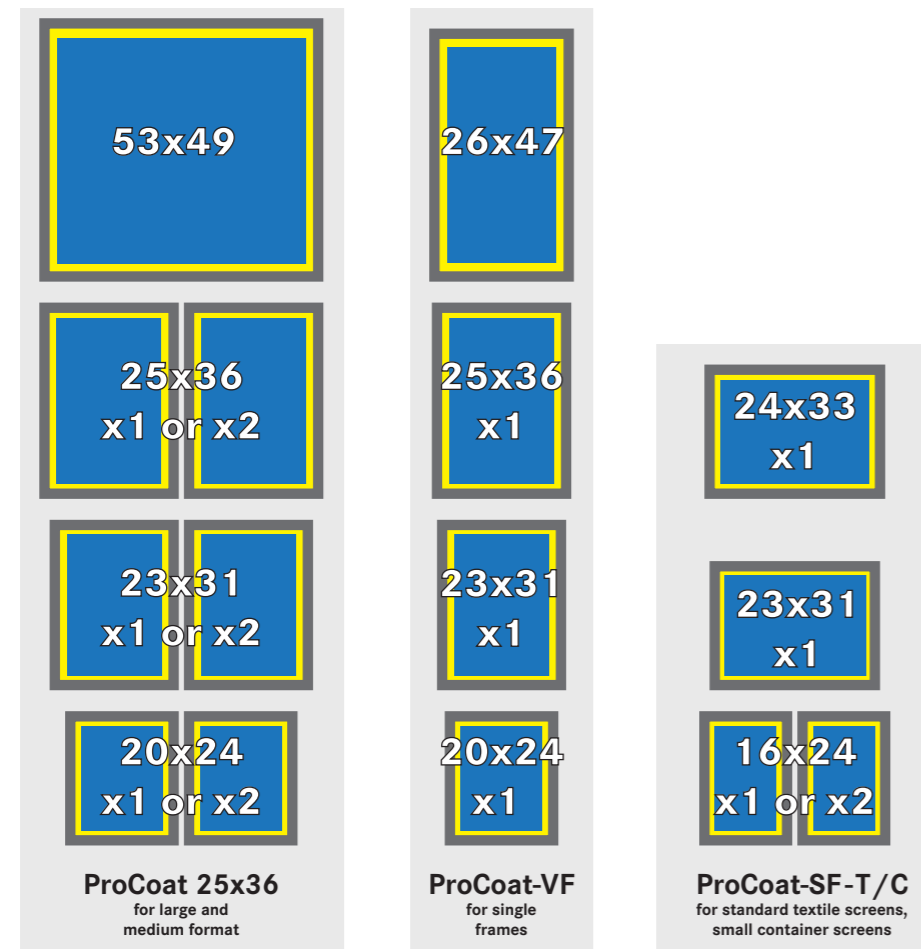
[ProCoat SF
Combo Dryer](#)

SAATI Pro Coat Series

Programmable Automatic Screen Coaters for Affordable Consistency and Control

Coating Setups

Maximum size & standard coating setups are demonstrated here:



SAATI ProCoat 25x36

Automatically coat 1 or 2 screens up to 25x36".

Characteristics

- Coats two screens, simultaneously front and back. Ex. two 20x24, 23x31, or 25x36 at a time
- Coats a single screen up to 42x50"

Features

- 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

Size

82" x 76" x 22", approximately 750 lbs.

SAATI ProCoat VF

Automatically coat 1 screen up to 26x47".

Characteristics

- Simultaneously coats a single screen front and back

Features

- 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

- Reduce the footprint of repeatable automated screen coating in your screen making area

Size

58" x 78" x 20", approximately 800 lbs.

SAATI Pro Coat Series

Programmable Automatic Screen Coaters for Affordable Consistency and Control

SAATI ProCoat SF Container

Automatically coat 2 screens up to 16x24".

Characteristics

- Coats a single screen up to 24x33"

Features

- Manual upper carriage. Easy adjustment for different frame profiles
- Included stand for convenient working height

Benefits

- Easy use allows inexperienced operators to coat perfect screens

Size

67" x 47" x 20" without legs.

67" x 73" x 20" on legs.

Approximately 620 lbs.

SAATI ProCoat SF Textile

Automatically coat 1 screen up to 24x33".

Characteristics

- Coats a single screen up to 24x33"

Features

- Manual upper carriage. Easy adjustment for different frame profiles
- Included stand for convenient working height

Benefits

- Easy use allows inexperienced operators to coat perfect screens

Size

67" x 47" x 20" without legs.

67" x 73" x 20" on legs.

Approximately 620 lbs.

SAATI ProCoat SF

w/ Combo Dryer

Automatically coat 1 screen up to 24x33".

Characteristics

- Coats a single screen up to 24x33, or two up to 16x24"

Features

- Manual upper carriage. Easy adjustment for different frame profiles
- Thermostat controlled dryer has adjustable rack for multiple frame sizes 10 slot rack holds ten 23x31" frames or up to thirty 9x11"

Benefits

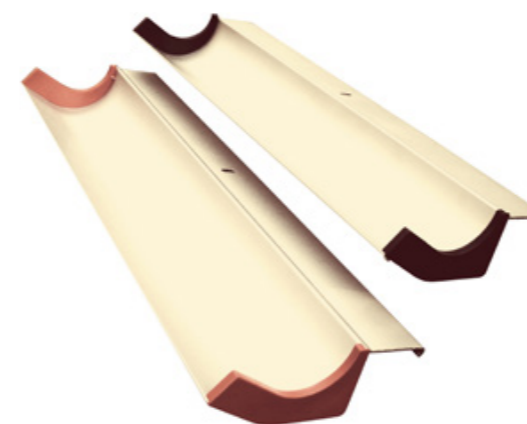
- Easy use allows inexperienced operators to coat perfect screens

Size

67" x 47" x 20" without legs.

67" x 73" x 20" on legs.

Approximately 620 lbs.



Harlacher/Q-Lux Scoop Coaters

Cut-to-order lengths of troughs for emulsion coating

This specially designed anodized aluminum coating trough is interchangeable with any version Harlacher, Q-Lux or SAATI ProCoat machine. Made of precision extruded aluminum and then anodized, these troughs clean up easily with water. Typically sold in pairs, front and back.

The end caps are color-coated, red for the squeegee side and black for the print side. The front trough normally measures 1" longer than the back trough.

Custom sizes and endcaps are available.

Materials in stock with standard delivery dates less than a week. Standard lengths up to 118".

Custom lengths up 160" are available.

SAATI Pro Drying Chamber

Thermostat Controlled Drying Chamber Compatible with Most Screen Racks



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". For larger sizes, please inquire.

Stencil Exposure Systems

SAATI LTS Series

High Resolution Digital Direct Laser Image & Exposure Units

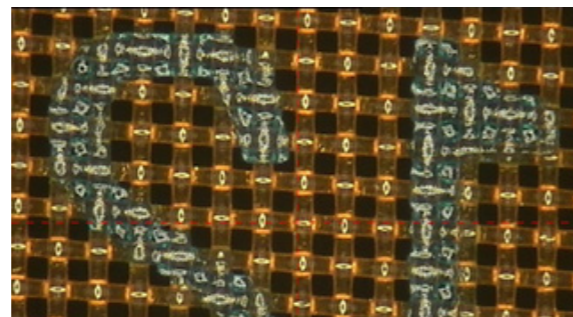
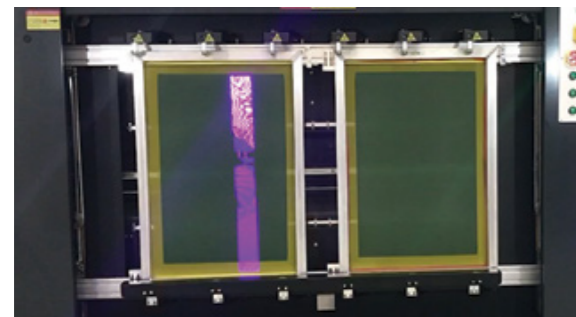
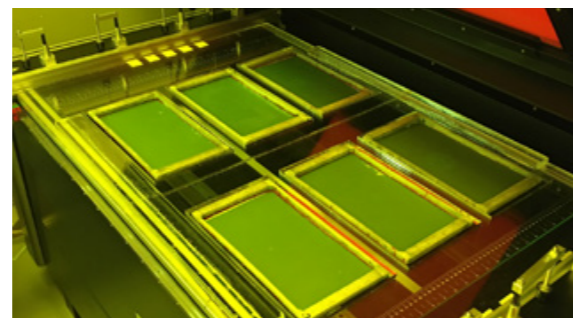
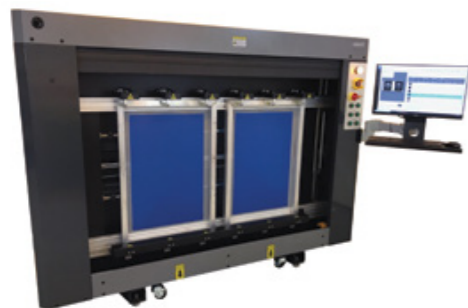
SAATI is pleased to introduce you to the state of the art in computer-to-screen stencil making - the SAATI LTS Series.

SAATI LTS machines use laser diodes to directly image and expose stencils simultaneously. The 405 nm laser array is the correct wavelength for optimal through-cure so that stencils are processed rapidly, at high resolution (up to 2,540 dpi) and with no consumables like ink, wax or film, while drawing much less power than non-targeted wavelength light sources.

The included workflow software allows stencil makers process art files in-house, and to place

one or more images on one or more stencils at the same time, further enhancing productivity and planning. In addition, remote viewing capabilities allow SAATI technicians to assist printers in calibrations without the need for face to face meetings in the pandemic age.

The affordable price point compared to other computer to screen technologies opens up higher resolution and more efficient computer-to-screen stencil making to a much broader group of screen printers, so the end result should be to enable access to higher quality and productivity, with a reduced carbon footprint.



SAATI LTS Range

for larger medium format screens 1 or 2 up vertical & glass free

for medium format screens 1 or 2 up vertical & glass free

for medium format screens 1 or 2 up vertical & glass free

small to medium format, horizontal glass down

Max Single Frame

78.7x59.1"
200x150 cm

63x41.3"
160x105 cm

63x41.3"
160x105 cm

43.3x33.5"
110x85 cm

Example Frame Sizes

25x36"
64x91cm
x1 or x2*°

25x36"
64x91cm
x1 or x2*°

25x36"
64x91 cm
x1

25x36"
64x91 cm
x1

23x31"
58x78cm
x1 or x2

23x31"
58x78cm
x1 or x2

23x31"
58x78cm
x1 or x2*°

23x31"
58x78cm
x1

20x24"
51x61cm
x1 or x2

20x24"
51x61cm
x1 or x2

20x24"
51x61cm
x1 or x2

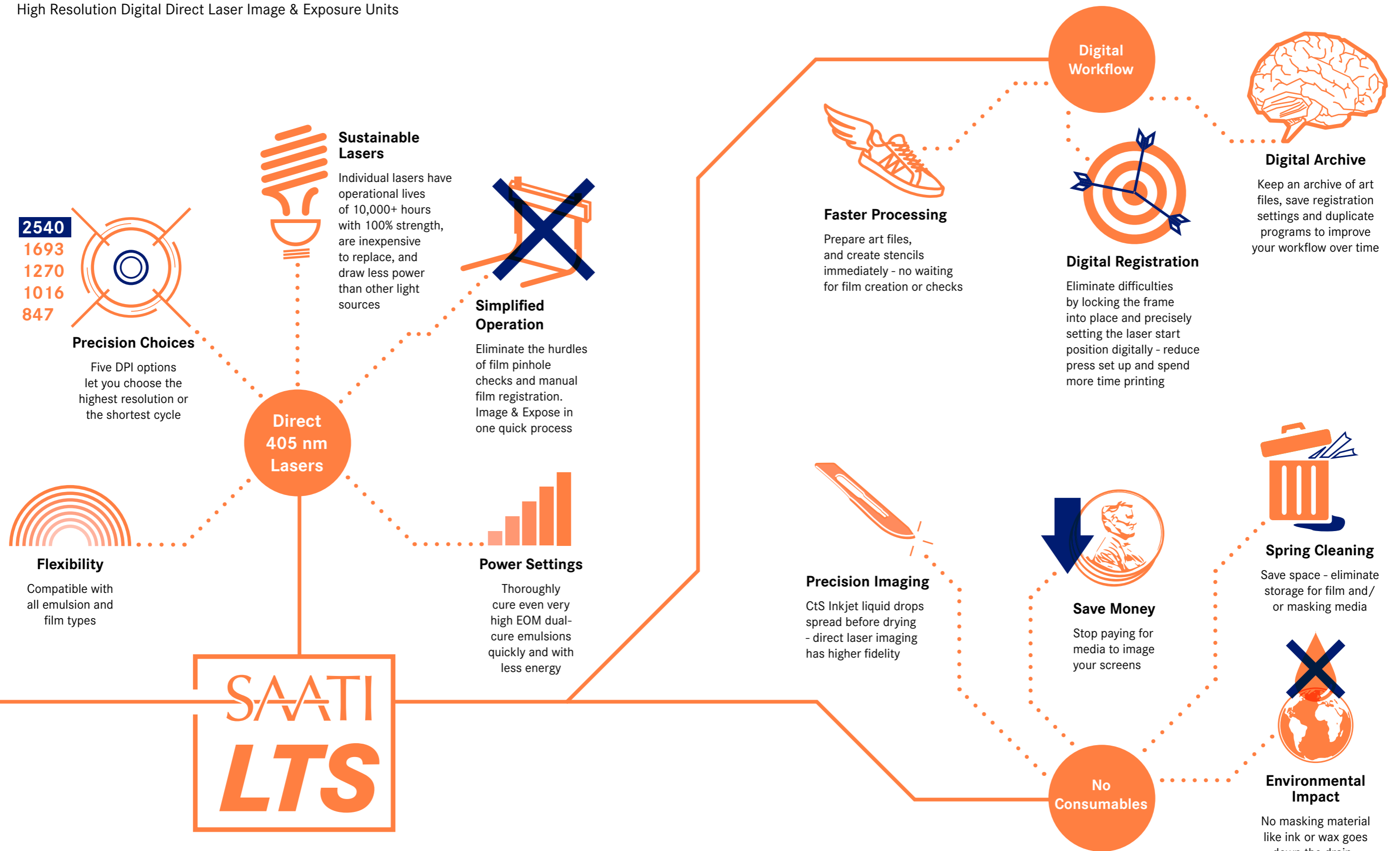
20x24"
51x61cm
x1

multi-frames°

* For vertical format units 1015, 8012, 6012: 2-up screen configurations must have identical dimensions
° For all units, all 2+ frame configurations must have identical frame profiles

SAATI LTS Series

High Resolution Digital Direct Laser Image & Exposure Units



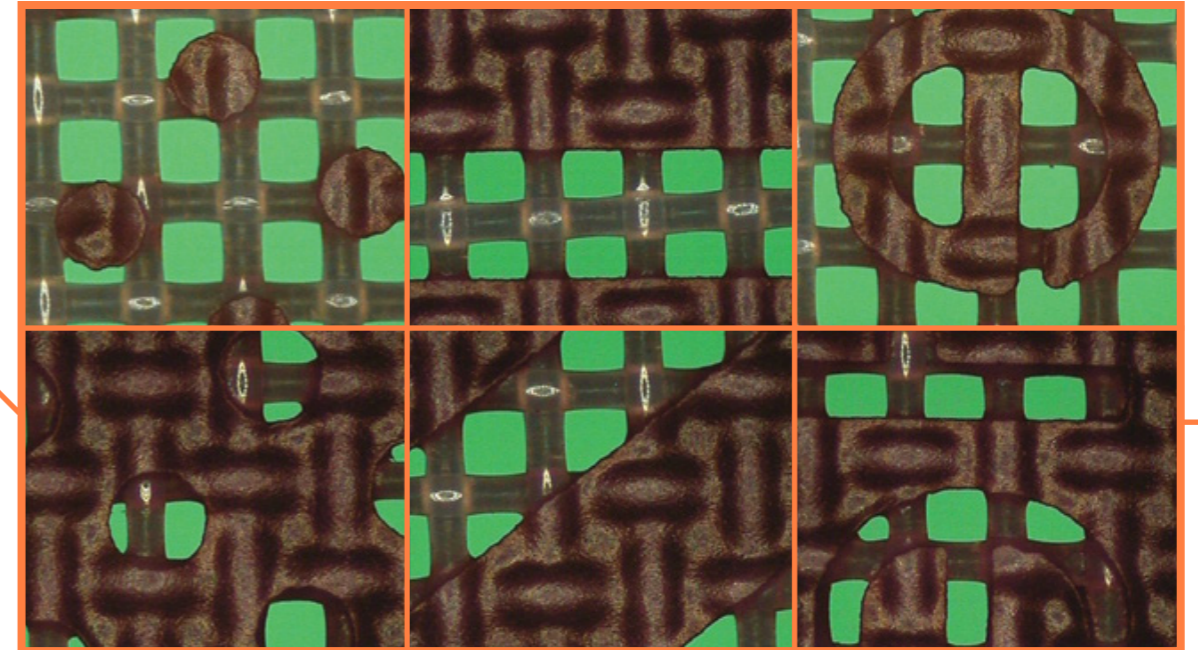
SAATI LTS Series

High Resolution Digital Direct Laser Image & Exposure Units

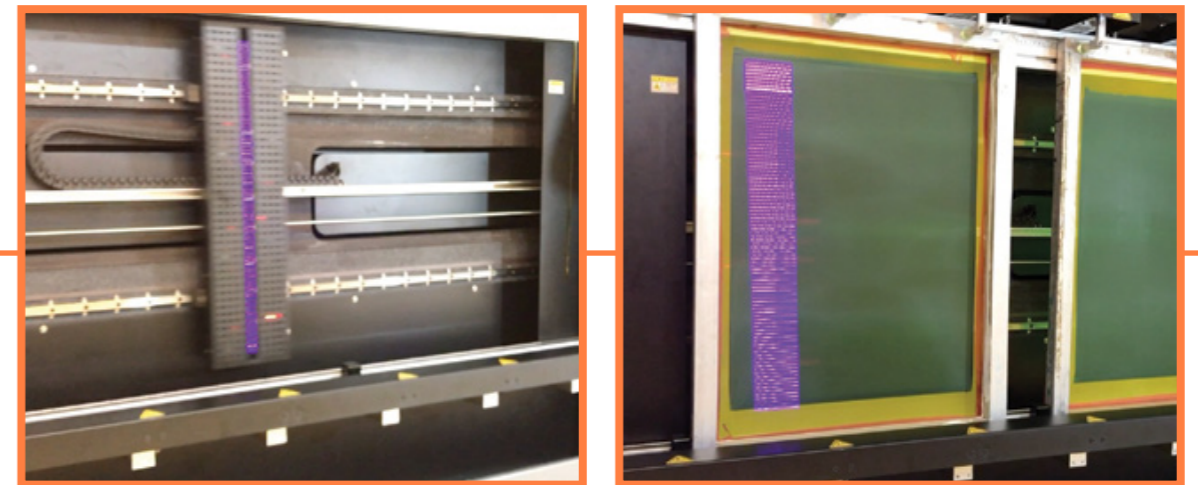
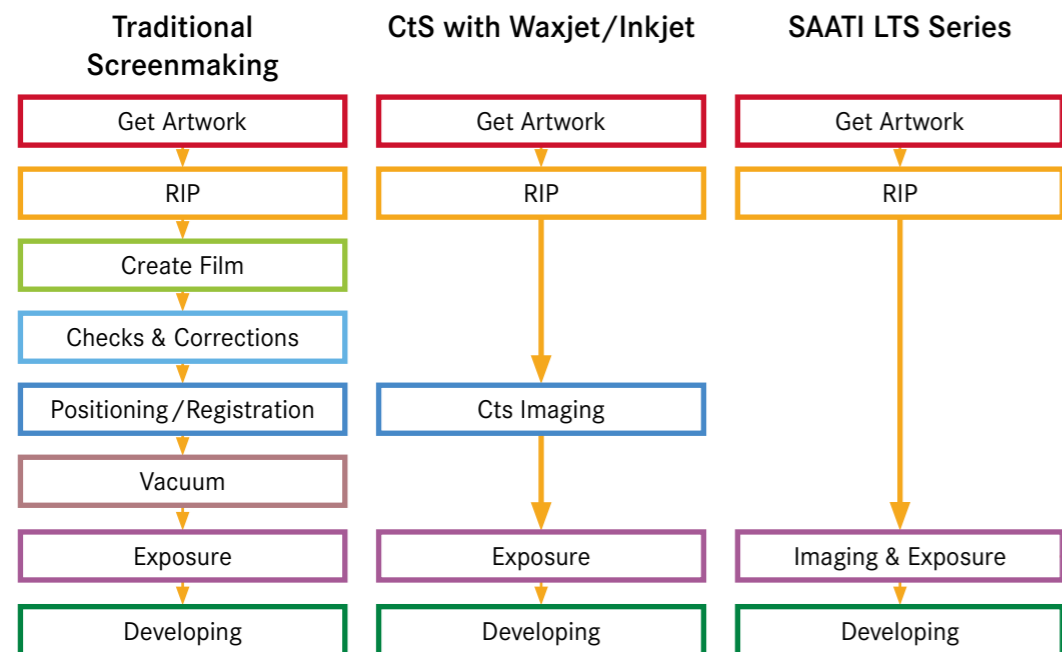
Resolution Settings

The SAATI LTS has five resolution resolution settings, each tailored to a different types of image requirements

<p>847 Low Setting</p> <ul style="list-style-type: none"> • Fastest processing times • Superior to inkjet films 	<p>1016</p> <ul style="list-style-type: none"> • Superior to inkjet/waxjet resolution 	<p>1270 Middle Setting</p> <ul style="list-style-type: none"> • Equivalent to DLE systems 	<p>1693</p> <ul style="list-style-type: none"> • Superior to many other DLE systems 	<p>2540 Highest Setting</p> <ul style="list-style-type: none"> • Image setter quality for the most demanding applications
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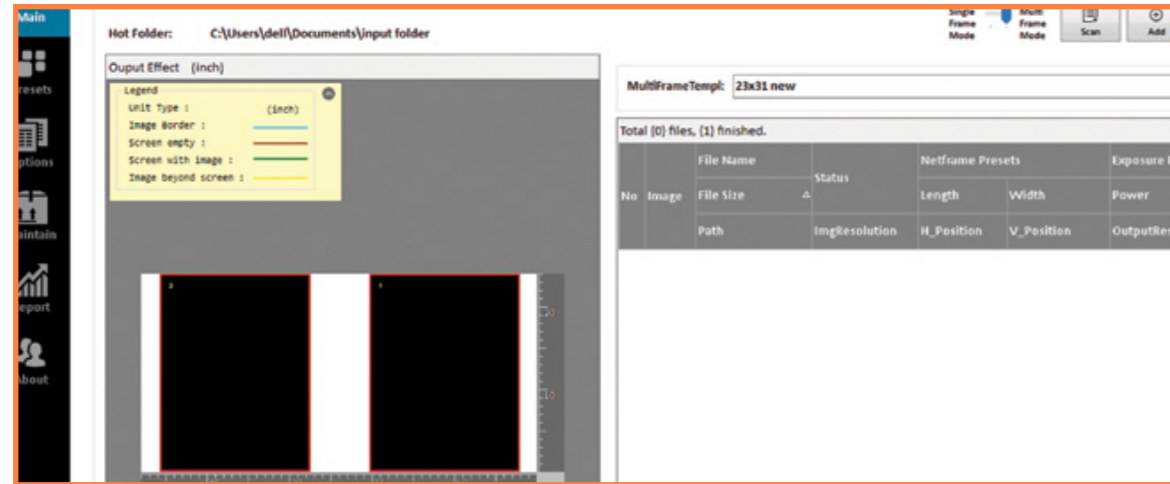


Improvements to Workflow

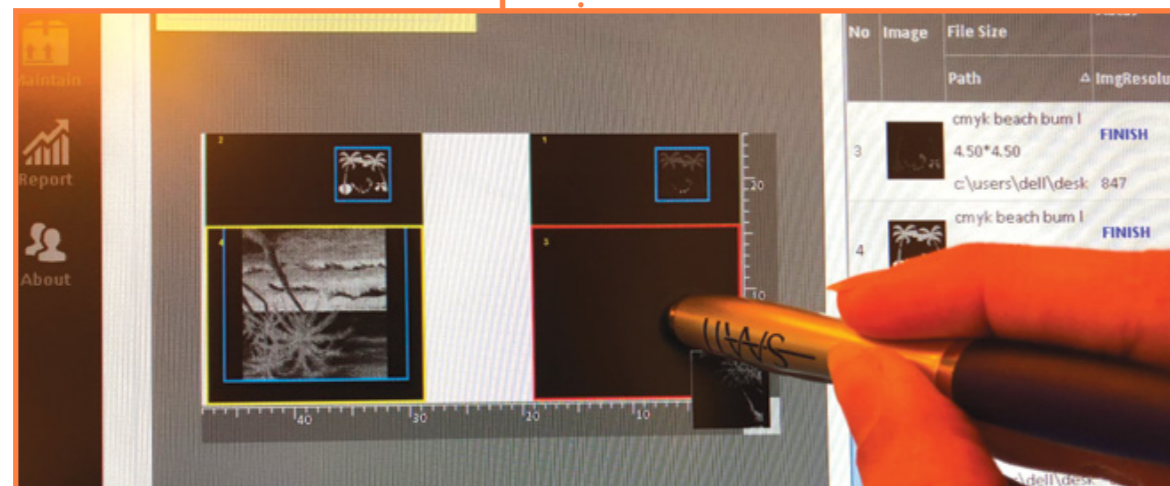


SAATI LTS Series

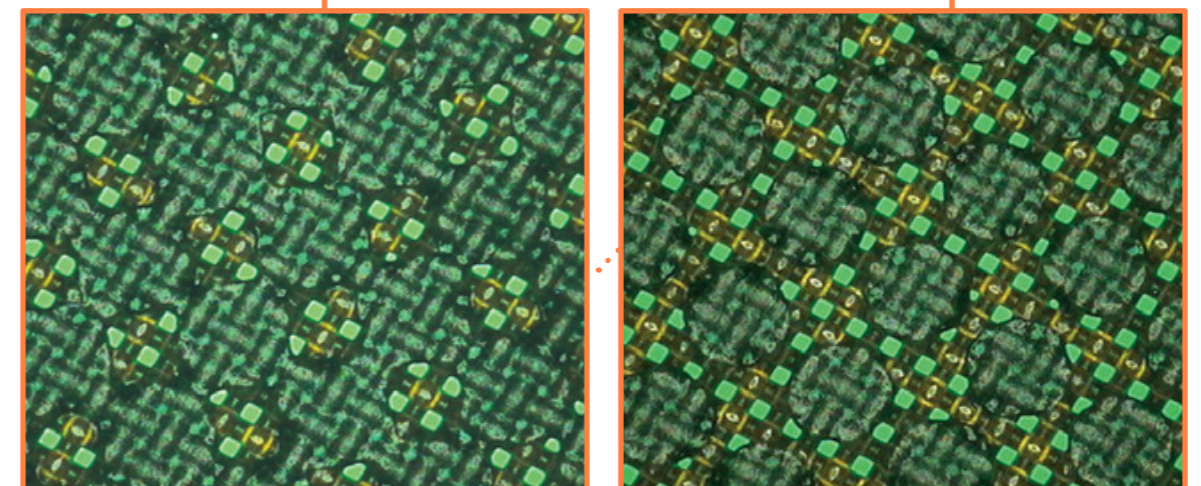
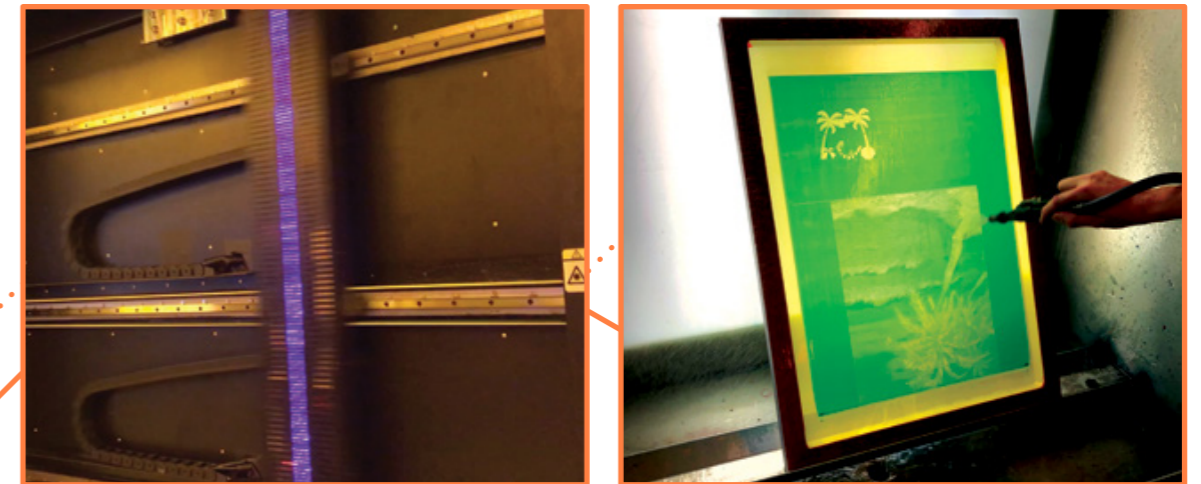
High Resolution Digital Direct Laser Image & Exposure Units



Precision placement of multiple art files across two screens



Laser array exposes images much more quickly than scrolling chip DLE or ink/waxjet that require subsequent exposure



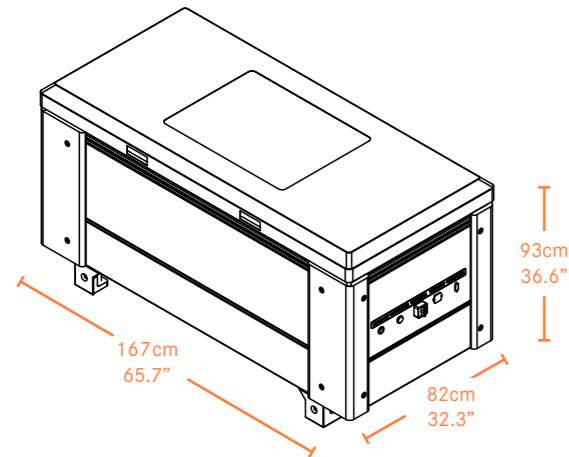
120 LPI 40% dot on 380.31 YE

120 LPI 60% dot on 380.31 YE

SAATI LTS 6080

High Resolution Digital Direct Laser Image & Exposure Unit

Dimensions

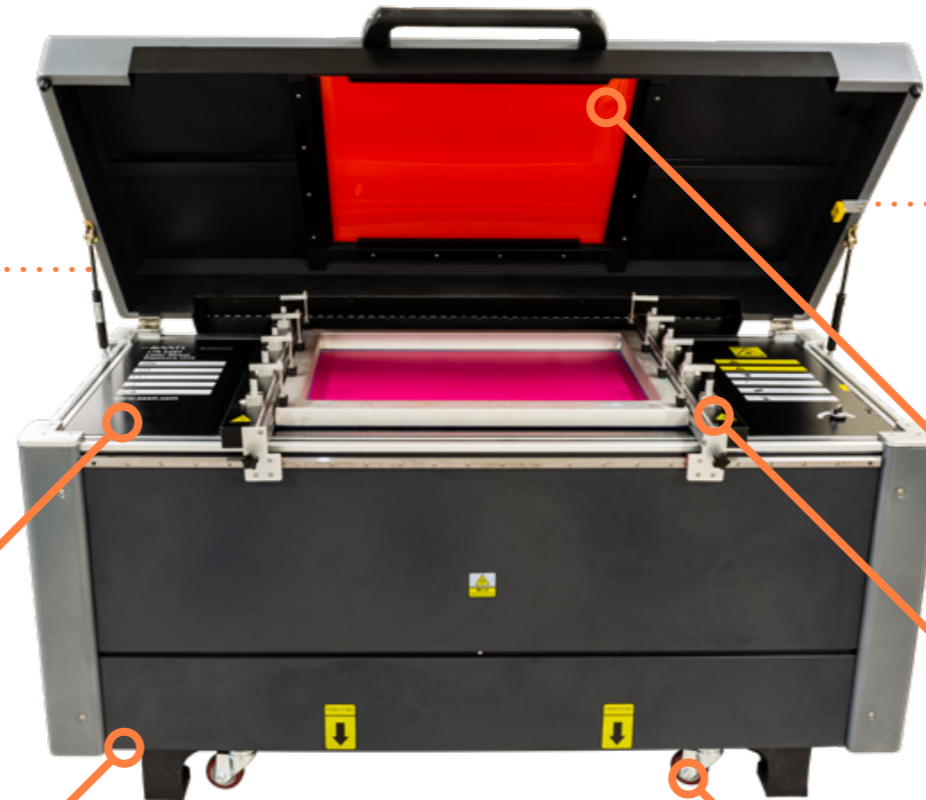


Characteristics

Facedown glass panel with enclosing lid

Maximum Single Frame Size:
85 x 110 cm | 33.5 x 43.3"

Solid metal construction provides a vibration free stencil making platform



Lasers

96

Weight



Power



110V
standard

240V
with adapter

350W
consumption

Safe Viewing Window for observing exposure program progress

Adaptable to various types of screen registration systems

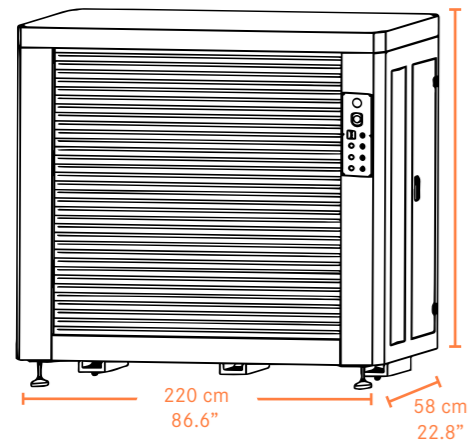
Maximum Single Image Size:
60 x 80 cm | 23.6 x 31.5"

Solid casters and slim build allow easy movement through standard doorways for unit placement

SAATI LTS 6012*

High Resolution Digital Direct Laser Image & Exposure Unit

Dimensions



Characteristics

Glass-free vertical loading and frame lock system ensure accurate, easy screen placement and reduced pinholes

Solid metal construction provides a vibration free stencil making platform while maintaining a smaller footprint than other CtS machines

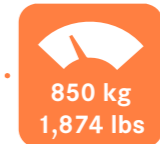
Easy to use pedals engage and disengage the frame clamps



Lasers

96

Weight



Power



110V
standard

240V
with adapter

800W
consumption

Touch screen workflow

Motorized safety shutter

Large frame holding area enables simultaneous imaging & exposure of either large screens, or 1 or 2 standard size screens

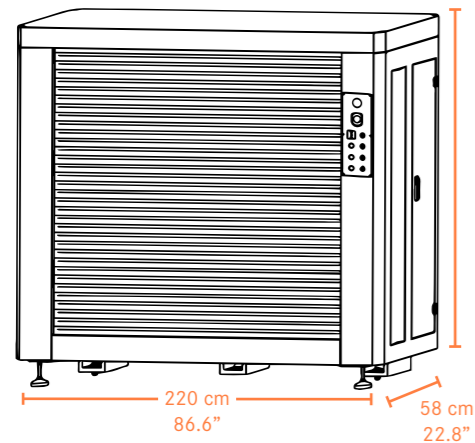
Maximum Image Size: 60x120 cm | 23.6 x 47.2"
Max Frame Size: 1 screen up to 105 x 160 cm | 41.3 x 63"
or 2 Screens up to 58 x 78 cm | 23 x 31"

* previously designated model name 6080-VF

SAATI LTS 8012

High Resolution Digital Direct Laser Image & Exposure Unit

Dimensions

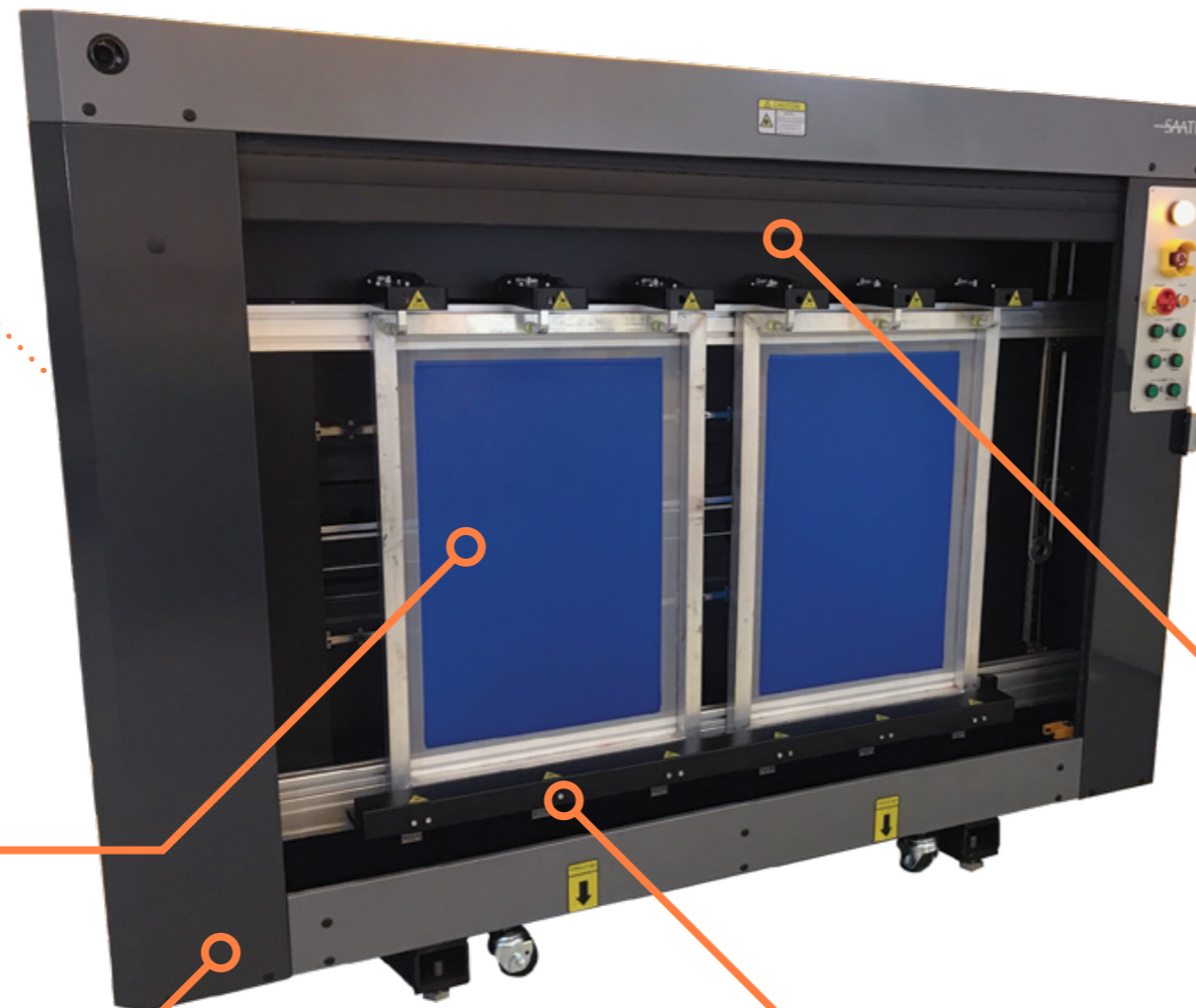


Characteristics

Glass-free vertical loading and frame lock system ensure accurate, easy screen placement and reduced pinholes

Solid metal construction provides a vibration free stencil making platform while maintaining a smaller footprint than other CtS machines

Easy to use pedals engage and disengage the frame clamps



Lasers

128

Weight



Power



110V
standard

240V
with adapter

800W
consumption

Touch screen workflow

Motorized safety shutter

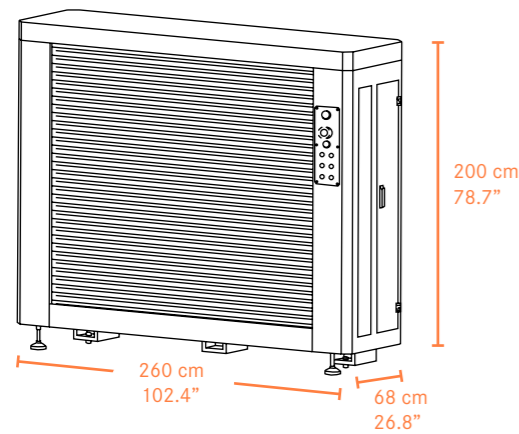
Large frame holding area enables simultaneous imaging & exposure of either large screens, or 1 or more standard size screens

Maximum Image Size: 80 x 120 cm | 31.5 x 47.2"
Max Frame Size: 1 screen up to 105 x 160 cm | 41.3 x 63"
or 2 screens up to 64 x 91 cm | 25 x 36"

SAATI LTS 1015

High Resolution Digital Direct Laser Image & Exposure Unit

Dimensions

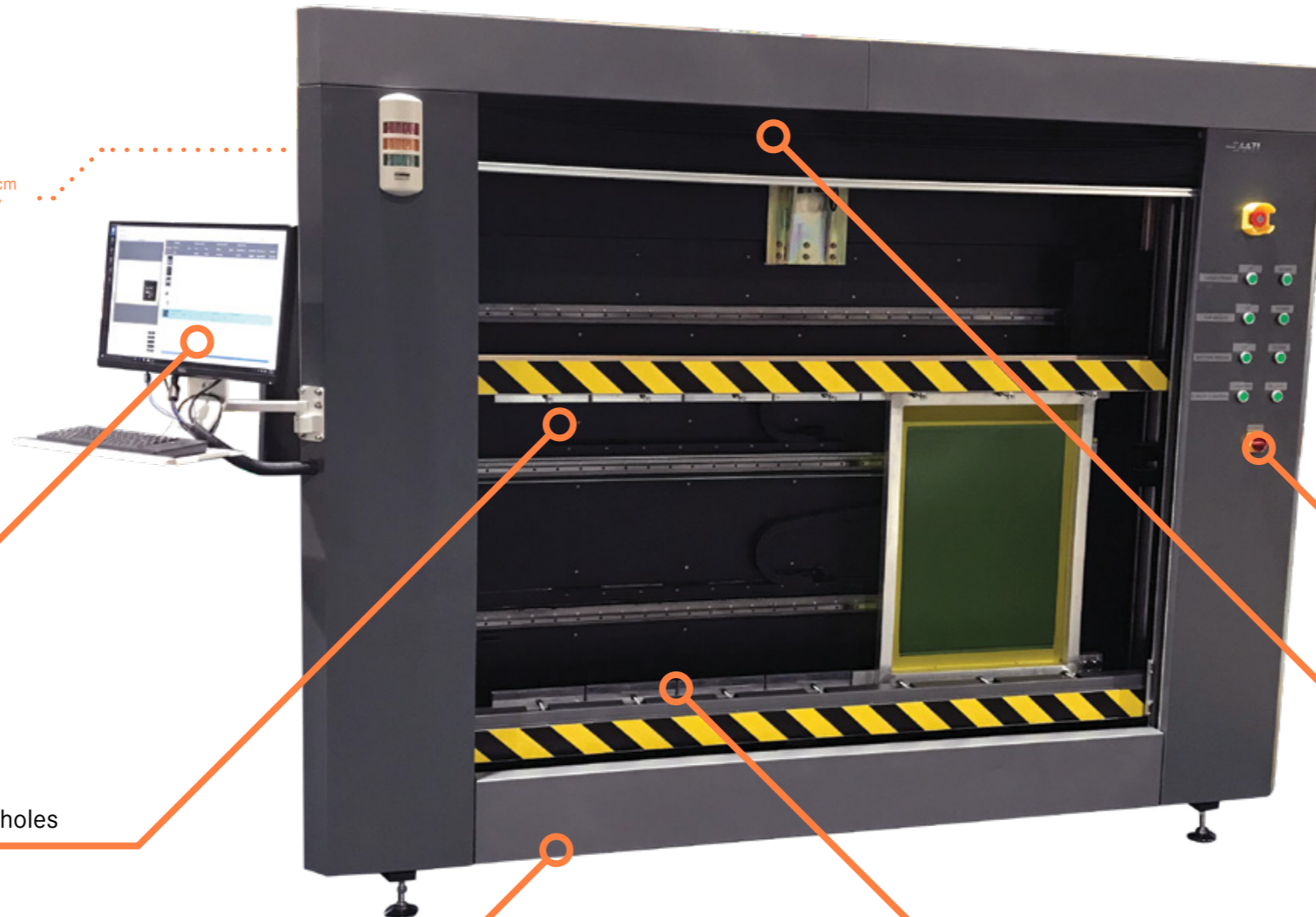


Characteristics

Touch screen with powerful workflow software

Glass-free vertical loading and frame lock system ensure accurate, easy screen placement and reduced pinholes

Solid metal construction provides a vibration free stencil making platform while maintaining a smaller footprint than other CtS machines



Lasers

160

Weight



Power



110V
standard

240V
with adapter

1000W
consumption

Easy to use control panel engages and disengages frame clamps, carriages, shutter & emergency stop

Motorized safety shutter

Large frame holding area enables simultaneous imaging & exposure of either large screens, or 1 or more standard size screens

Maximum Image Size: 100 x 150 cm - 39.4 x 59.1"
Max Frame Sizes: 1 screen up to 145 x 200 cm | 59.1 x 74.8"
or 2 two screens up to 63.5 x 91.5 cm | 25 x 36"

SAATI LTS Series

High Resolution Digital Direct Laser Image & Exposure Units

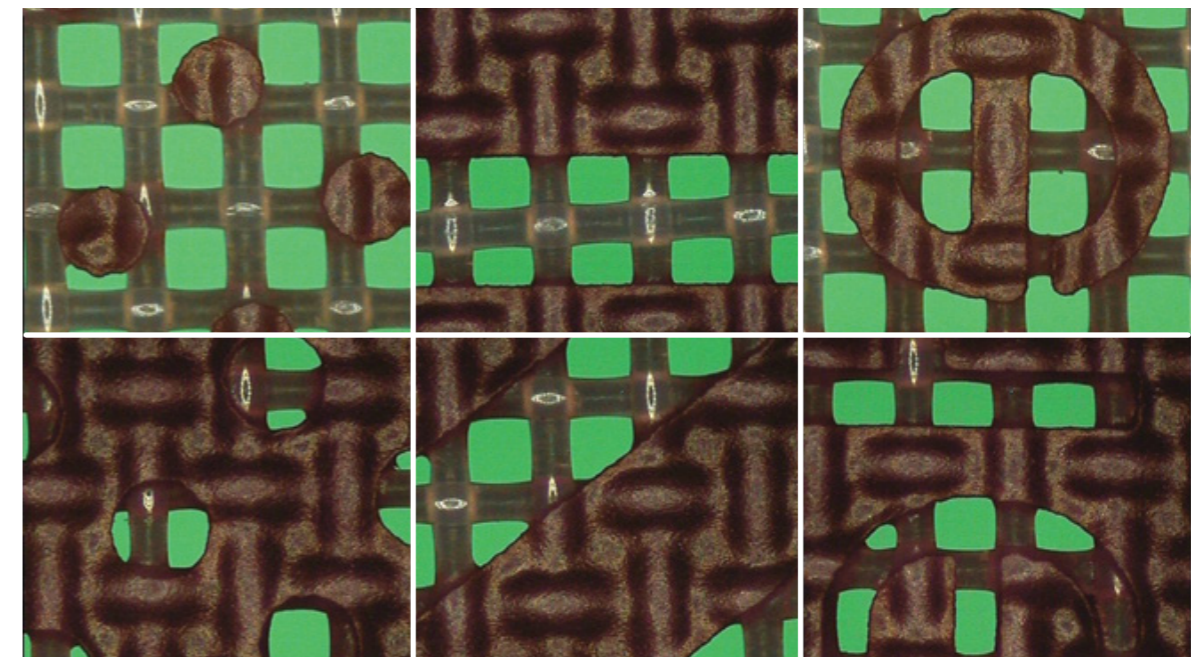
SAATI LTS Series Individual Specs

Machine	LTS 6080	LTS 6012	LTS 8012	LTS 1015
Lasers	96	96	128	160
Dimension	167 x 82 x 93 cm 65.7 x 32.3 x 36.6"	220 x 58 x 163 cm 86.6 x 22.8 x 64"	220 x 58 x 163 cm 86.6 x 22.8 x 64"	260 x 68 x 200 cm 102.4 x 26.8 x 78.7"
Weight	597 kg / 1316 lbs	850 kg / 1874 lbs	925 kg / 2039 lbs	1200 kg / 2646 lbs
Max Image Size	60 x 80 cm 23.6 x 31.5"	60 x 120 cm 23.6 x 47.2"	80 x 120 cm 31.5 x 47.2"	100 x 150 cm 39.4 x 59.1"
Max Frame Size (x1)	85 x 110 cm 33.5 x 43.3"	105 x 160 cm 41.3 x 63"	105 x 160 cm 41.3 x 63"	145 x 200 cm 59.1 x 74.8"
Max Frame Sizes (x2)	holds more than two small frames	58 x 78 cm 23 x 31"	64 x 91 cm 25 x 36"	64 x 91 cm 25 x 36"
Power Consumption	350 W	800 W	800 W	1000 W



SAATI LTS Series Universal Specs

Resolution	847 - 1016 - 1270 - 1693 - 2540
Voltage	110/240 V
Interface	USB 2.0
Process Mode	Bi-Directional
Stencil Materials	Most kinds of emulsion & film
Max. Recom. Stencil Thickness	700 µm
Repeatability	Less than 0.1 mm
Sample Exposure Settings	Fabric Type SAATI Hi-R 120.34 (305.34) Color: Yellow Emulsion: SAATIgraf CTS7 EOM: 9 µm DPI:1270 Power: 50 Speed: 300 SAATI 21-Step Exposure Level: Step 5 Time: Less than 3.5 Minutes



CST DMD Systems

High Resolution Digital Direct DMD Image & Exposure Units

CST GmbH is a leading global supplier for state of the art screen imaging systems to the industry. Patented technologies provide the best possible solution for the most demanding applications. The imaging system utilizing a DMD chip allows for various resolutions, fast imaging speeds and low production costs.

Advantages

- High quality exposure
- LED Technology for long lifetime
- Various sizes available
- Fast exposure time using HD Chip
- Zeiss Optics
- Easy handling
- In-Line exposure & developing options
- Conversion of existing equipment to newest technology
- Global network
- Outstanding support

Applications

- Automotive
- Industrial
- Glass
- Electronics
- Sports Equipment
- Textile
- Labels
- Security
- Membrane Switch
- Decals
- Graphic
- Ceramic



We manufacture systems to expose both, flat and rotary screens. Our machines are custom built depending on requirements of the customer application.

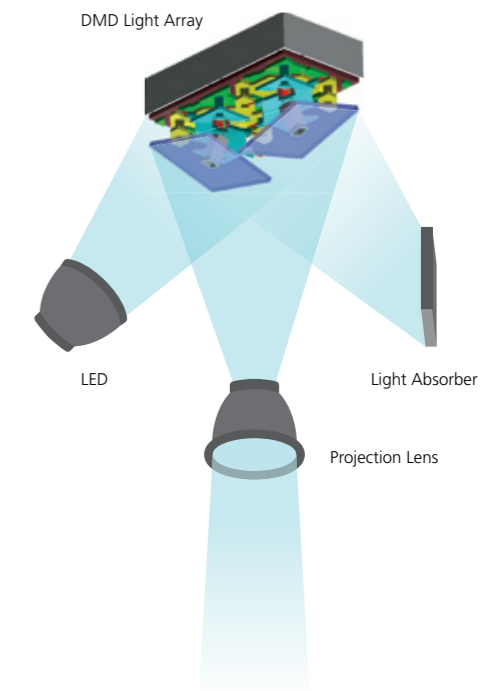
We engineer for various resolutions, head systems and machine formats. We have built machines for flat screens up to 8 x 4.5 meters and 1680 mm circumference rotary screens. Our machinery is designed for global production.



Digital Mirror Device (DMD)

A Digital Mirror Device (DMD) modulates ultra-high power UV light with image data using up to 2,000,000 micro mirrors. While the DMD moves across the screen surface in sweeps the data scrolls continuously and results in perfectly seamless image production. As each of the micro mirrors represents one pixel, high speeds are possible and the imaging quality is exceptionally high. Resolutions of up to 2,540 dpi are possible.

DMD is the best light modulator for this application presently available on the market. Texas Instruments, the world leader in micro-mechanical mirror modulators, provides the DMD for the DLE screen imaging system. With millions of systems in operation since 1996, the DMD is a state of the art technology which is fail-safe and proven in reliability.



LED Technology

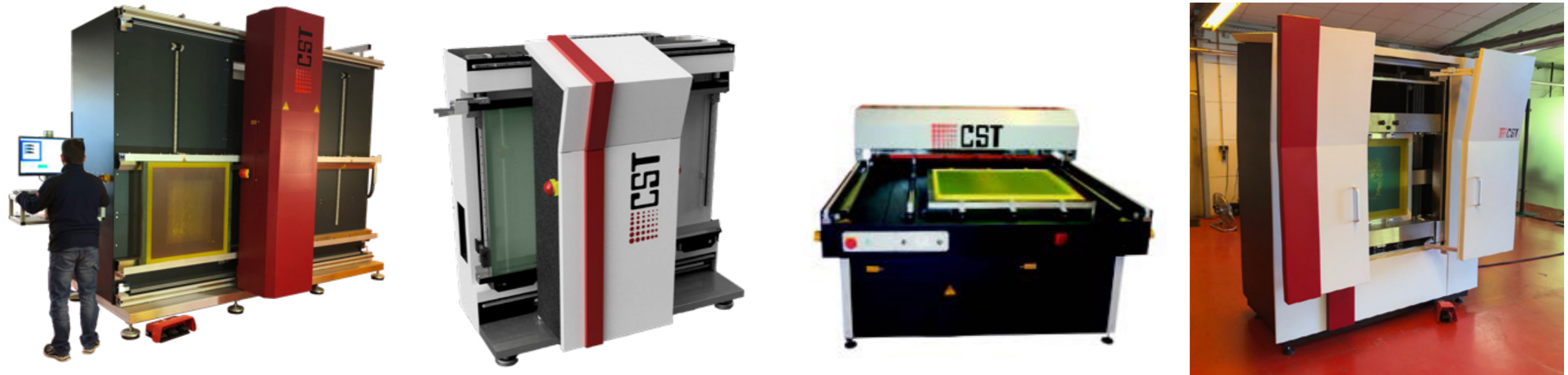
The new generation of DLE machines contains modern UV light sources. These UV LED light sources are fully integrated. This improves the stability and the lifetime of the fully encapsulated head system drastically.

DLE Advantages

This process totally eliminates ink, wax, film, darkroom the associated chemicals, film processing, masking, retouching and taping of films. The benefits are obvious: The screen is produced easier, faster, less expensive, at higher quality levels and with less production steps.

CST DMD Systems

High Resolution Digital Direct DMD Image & Exposure Units



Machine	DLE Vertical	DLE New Compact	DLE ECO	DLE ECO+
Platform	Vertical	Vertical	Vertical	Horizontal
Max Screen Sizes **	Unlimited	59 x 59" / 1.5 x 1.5m	79 x 118" / 2 x 3m	35 x 35" / 0.9 x 0.9m
DPI Resolutions	500, 720, 1000, 1270	500, 720, 1000, 1270, 2540	720, 1000	2540
SD DMD (1024x768)	500, 720, 1000, 1270	500, 720, 1000, 1270	500, 720, 1000	Not Available
HD DMD (1920x1080)	720, 1270	720, 1270, 2540	Not Available	2540
Inline Capability	Yes	Yes	Not Available	Not Available
Available Power	230V / 110V single phase 1/N/PE 2000VA 50/60Hz	230V / 110V single phase 1/N/PE 2000VA 50/60Hz	230V / 110V single phase 1/N/PE 2000VA 50/60Hz	230V / 110V single phase 1/N/PE 2000VA 50/60Hz
Frame Clamping	Pneumatic	Pneumatic	Manual	Manual
Light Source	Multi-Wavelength LED UV or Laser Light Source	Multi-Wavelength LED UV or Laser Light Source	Multi-Wavelength LED UV	Laser Light Source
Remote Diagnostics	Yes	Yes	Yes	Yes
Data Input	Data Interface TIFF 6.0	Data Interface TIFF 6.0	Data Interface TIFF 6.0	Data Interface TIFF 6.0
Warranty ***	1 Year	1 Year	1 Year	1 Year

** Special customized sizes and configurations can be manufactured upon request for additional pricing | *** Extended warranty plans and maintenance contracts available upon request

For more information, or to place an order, call us at 1-800-431-2200.
For Safety Data Sheets (SDS), please send an e-mail to: info.US@saati.com

SAATI ProLite 450SCX

Efficient Targeted Wavelength LED Exposure Unit



Description

Self-contained, high efficiency LED screen exposure system, with programmable timer and one-touch operation.

Applications

Designed to efficiently expose screen printing stencils.

Characteristics

- Compact space saving design
- High Intensity LED with reflector
- Automatic one-touch operation
- Works with all one & two-part emulsions and stencil films
- No heat, with low power consumption & 110V operation

Features/Benefits

- 405nm high intensity LED with customized reflector - even coverage and sharp stencils at super fast exposure times
- Touch screen control with programmable App - fast & easy set-up and multiple preset exposure times
- Automatic operation pulls vacuum then starts & stops exposure - load screen, press start & walk away
- Instant start to full power & constant light output - consistent exposures and durable screens
- 10,000+ hour lamp life and easy, low cost, blanket replacement - durable, dependable & low maintenance performance

Specifications

- Maximum frame size 25" X 36"
- Overall dimensions (W x D x H) 42.25" X 34.75" (39.25" incl. control panel) X 33.25" (36.5" incl. casters)
- Weight 167lbs
- Electrical requirements 85 - 265V with 300/450W power consumption
- Two year limited warranty including parts (excluding glass, blanket & tablet)



SAATI ProLite 450

Efficient Targeted Wavelength LED Exposure Lamp



Description

450W 405nm LED exposure lamp

Application

Designed to efficiently expose screen printing stencils

Characteristics

- High intensity with even illumination
- 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

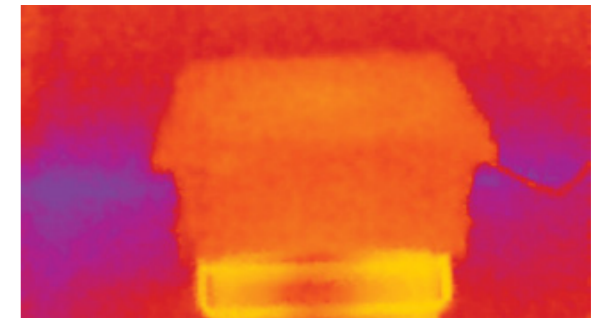
- Optimum wavelength for fast exposure, deep cure & wide latitude
- Runs cold, glass stays cool and no extra a/c load
- Constant light output, no photocell/filter/light integrator calibration needed, just a simple timer
- 85V-265V rated and works with any 110V outlet

Recommended Usage

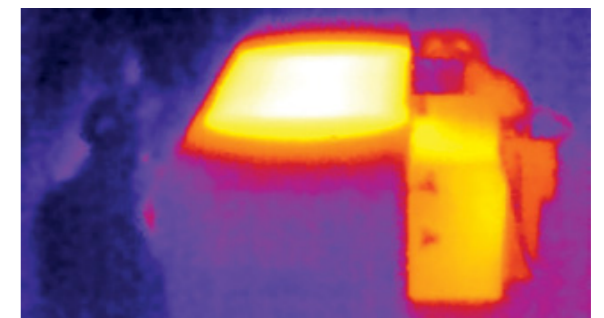
- Use at a minimum of 24" distance for even exposure of one 23x31 or 25x36 screen.
- Use at a minimum of 36" distance for even exposure of two-up 23x31 or 25x36 screens.

Specifications

- Dimensions: 13"L x 15"W x 16.5"H
- Weighs 28.65 lbs.
- Uses 110v standard wall outlet



Low heat output of SAATI ProLite 450 LED Lamp



High heat output of traditional Metal Halide Lamp



ProLite 450 as low cost replacement for defunct Metal Halide bulbs

SAATI ProLite 300 Multi

Efficient Targeted Wavelength LED Exposure Lamp



Description

300W 405nm LED exposure lamp

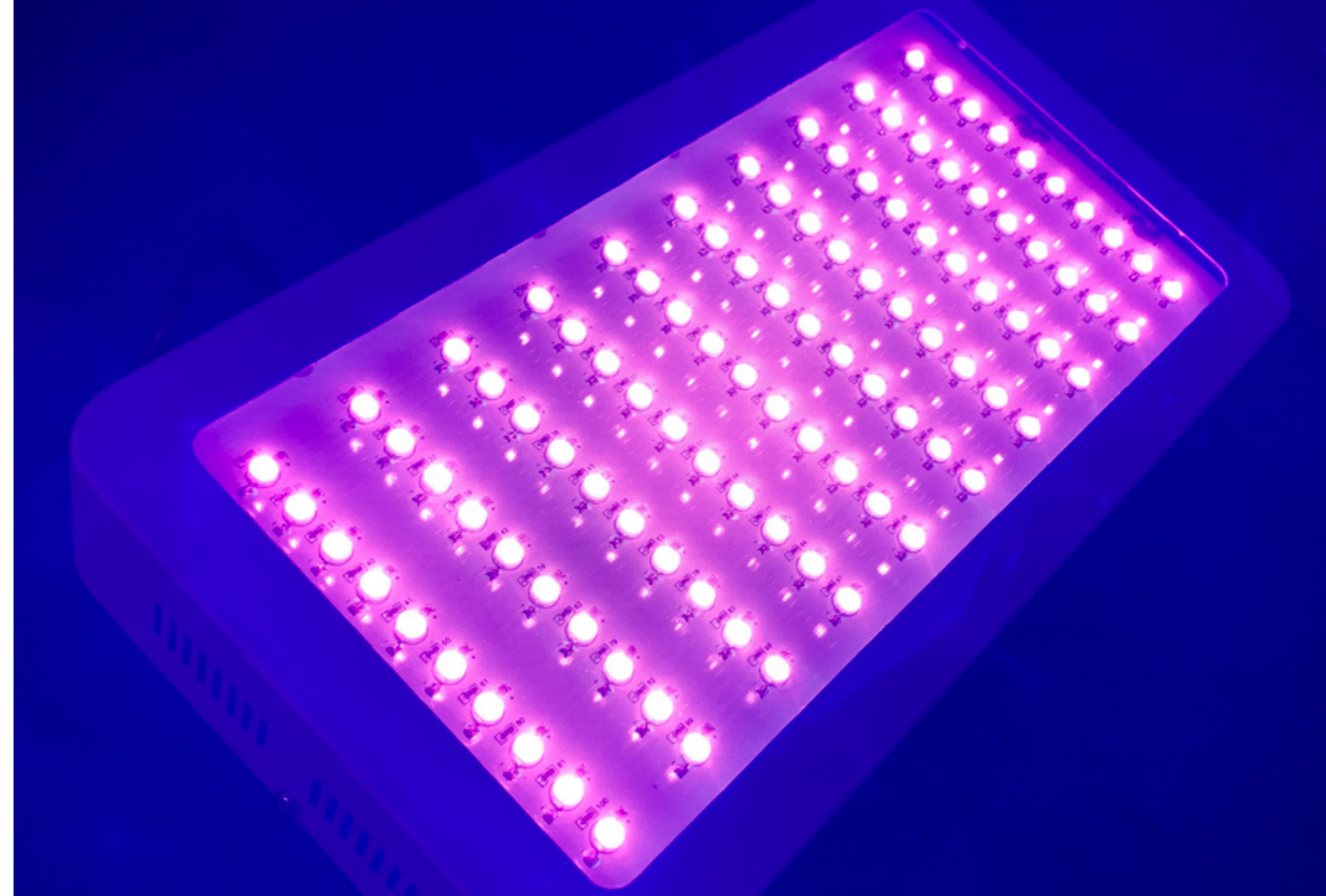
Application

Designed to efficiently expose screen printing stencils

Characteristics

- High intensity with even illumination
- 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

For more information, or to place an order, call us at 1-800-431-2200.
For Safety Data Sheets (SDS), please send an e-mail to: info.US@saati.com



Features/Benefits

- Optimum wavelength for fast exposure, deep cure & wide latitude
- Runs cold, environment 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

Recommended Usage

- Use at a minimum of 24" distance for even exposure of one 23x31 or 25x36 screen.
- Use at a minimum of 36" distance for even exposure of two-up 23x31 or 25x36 screens.

Specifications

- Dimensions: 15.75"W x 8.375"H x 2.375"D
- Weighs 7.3 lbs.
- Uses 110v standard wall outlet

Blockouts & Screen Fillers

SAATI Finish Series blockouts and screen fillers offer both high performance and user friendliness. Finish blockouts contain no solvents and provide increased filling power. All SAATI Finish Series products have pleasant-smelling formulations and are both non-hazardous and biodegradable. Finish blockouts spread smooth and uniformly for optimum drying and filling. Use to cover open mesh areas and pinholes.

Finish S1

Our most popular and economical blockout

- Red, water-based liquid blockout
- For use with solvent-based, UVcured, and plastisol ink
- Remove with water

Finish S2

Increased filling power

- Blue, water-based liquid blockout
- Increased filling power and more resistance to breakdown in high-stress printing such as with cylinder presses
- For use with solvent-based, UV-cured, and plastisol ink
- Remove with water

Finish S3

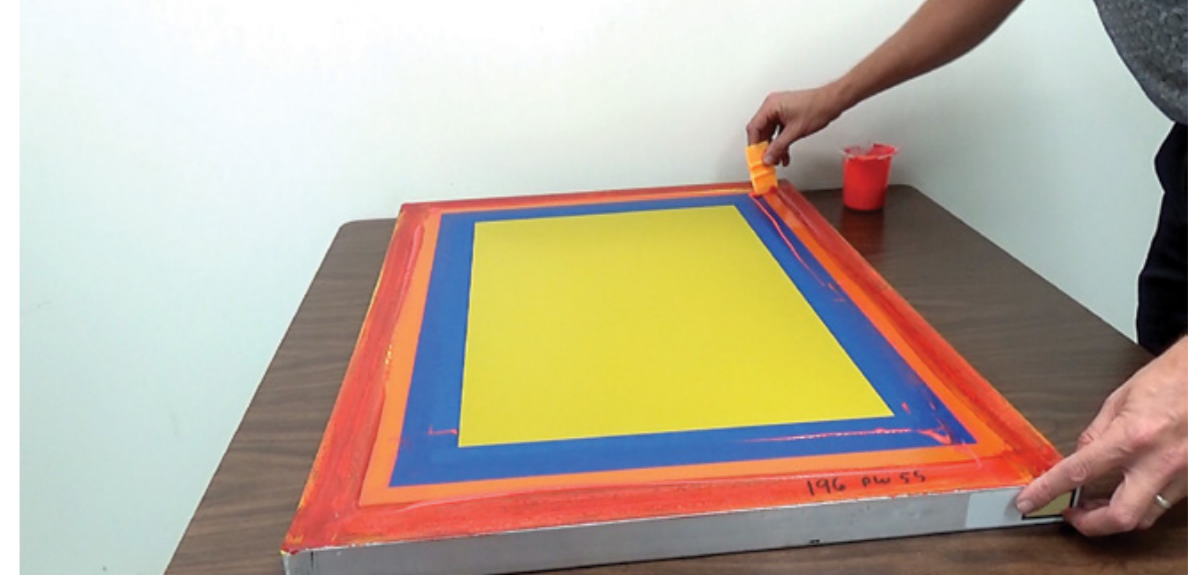
Highest Viscosity Finish S Product

- High viscosity version of Finish S2
- For optimum results on low mesh count screens

Finish W1

Unique reclaimable, water-based blockout

- Resistant to water and solvent
- Unlike other water-based blockouts, offers superior water resistance simply upon drying
- Resistant to water-based, plastisol, UV-cured and solvent-based ink
- Very high solids content offers increased durability
- Can be removed with emulsion reclaiming chemicals and a pressure washer



Finish WU2 A&B

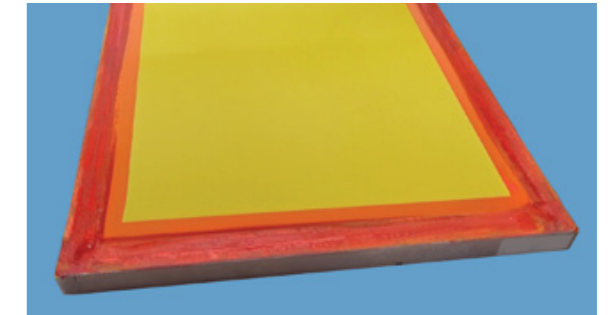
Two Part Polyurethane Screen Sealer

Application

Provides protective coating for frame adhesive and permanently replaces blockout tape.

Characteristics

- Red water-based two part polyurethane
- Easy to apply by scoop coater, brush or scraper
- Tack free immediately after drying
- One hour plus mixed pot life
- Gains 100% water, solvent and corrosive resistance after curing for 24 hours



Features/Benefits

- Low odor, non flammable and easy to mix & apply
- Water based formula - does not attack & weaken frame adhesive
- Can be applied onto freshly dry glue on stretching table - to accelerate full cure & bonding of [Ultrafix SB4 Plus Adhesives](#)

Description	Finish S1	Finish S2	Finish S3	Finish W1	Finish WU2
Viscosity	Medium	Medium	High	High	Medium
Color	Red	Blue	Blue	Purple	Red
Type	Water-based	Water-based	Water-based	Solvent-based	Water-based
Solvents	Compatible	Compatible	Compatible	Compatible	Compatible
Water	Not Compatible	Not Compatible	Not Compatible	Compatible	Compatible
Plastisol	Compatible	Compatible	Compatible	Compatible	Compatible
UV Curable	Compatible	Compatible	Compatible	Not Compatible	Compatible
Why Choose This Product	Good durability	Increased filling power and more resistance to breakdown	Finish S2 + High viscosity. Use with low mesh count	High durability. No solvents inside.	Permanent Screen Sealer, also catalyzes SB4+ to cure more quickly

Screen Printing Tapes

Blockout/Protection Tape



Magi-Blue Tape

A blue polyethylene tape that is backed with mylar plastic and used mainly as a blockout tape.

Characteristics

- Resists attacks by solvent-based inks and chemicals
- Compatible with retensionable and standard aluminium & wooden frames

Features

- Water based adhesive

Benefits

- Easy to apply
- Removes cleanly without leaving residue
- Durable during pressure washes and solvent baths

Packaging

Available in 2" width on 36-yard rolls (36 rolls/case), and 3" width on 36-yard rolls (24 rolls/case)



Pro Block Tape

A translucent orange polyethylene tape used mainly to blockout the edges of the frame.

Characteristics

- 5.5 mil thick
- Medium tack level for easy removal
- Compatible with retensionable and standard aluminium & wooden frames

Features

- Acrylic based adhesive resists most common solvents

Benefits

- Flexible and formable to make inside corners easy to form

Packaging

Available in 2" width on 36-yard rolls (36 rolls/case), and 3" width on 36-yard rolls (24 rolls/case).



Red Polyken Tape

Opaque red tape used to blockout the stencil edge in screen printing

Characteristics

- 8.0 mil thickness
- Natural rubber based adhesive
- Polyethylene backing
- Compatible with retensionable and standard aluminium & wooden frames

Features

- Rubber based adhesive resists solvents
- High tack level

Benefits

- Flexible and formable to make inside corners easy to form

Packaging

Available in 2" width on 36-yard rolls (36 rolls/case), and 3" width on 36-yard rolls (24 rolls/case).



Cloth Backed Adhesive Tape

High performance polyethylene coated cloth backed tape for screen protection and blockout.

Characteristics

- 12.0 mil thickness
- Natural rubber based adhesive
- Polyethylene coated cloth backing
- Compatible with retensionable and standard aluminium & wooden frames

Features

- Rubber based adhesive resists solvents
- High tack level with low residue

Benefits

- Extreme durability
- Flexible and formable to make inside corners easy to form

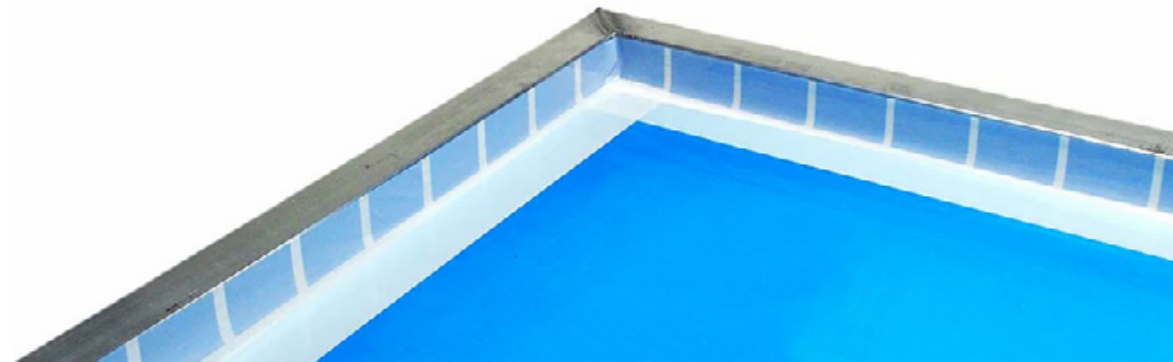
Packaging

Available in 2" width on 36-yard rolls (36 rolls/case), and 3" width on 36-yard rolls (24 rolls/case).

Screen Printing Tapes

Blockout, Split Liner & Pallet Adhesive tapes

Split Liner Tapes



Blue & White Split Liner Tape

Blue and white polyethylene tape used to blockout the edges of the frame.

Characteristics

- White area has full adhesion while blue area is less adhesive
- Compatible with retensionable and standard aluminium & wooden frames

Features

- Works well with both Plastisol and UV-cure and water-based inks

Benefits

- Using the less adhesive blue section as a handle, removing Split Liner Tape from the frame is very easy

Packaging

Available in a 4" width on 60-yard rolls and in 18 roll cases. Also available in a 3" width on 60-yard rolls and in 24 roll cases

Full Adhesive Tape

Blockout tape fully adhesive across the entire surface - identical to the white portion of Split Liner Tape.

Characteristics

- White polyethylene tape
- Compatible with retensionable and standard aluminium & wooden frames

Features

- Works well with both Plastisol and UV-cure and water-based inks
- Peels off just as easily as the white edge of Split Liner Tape

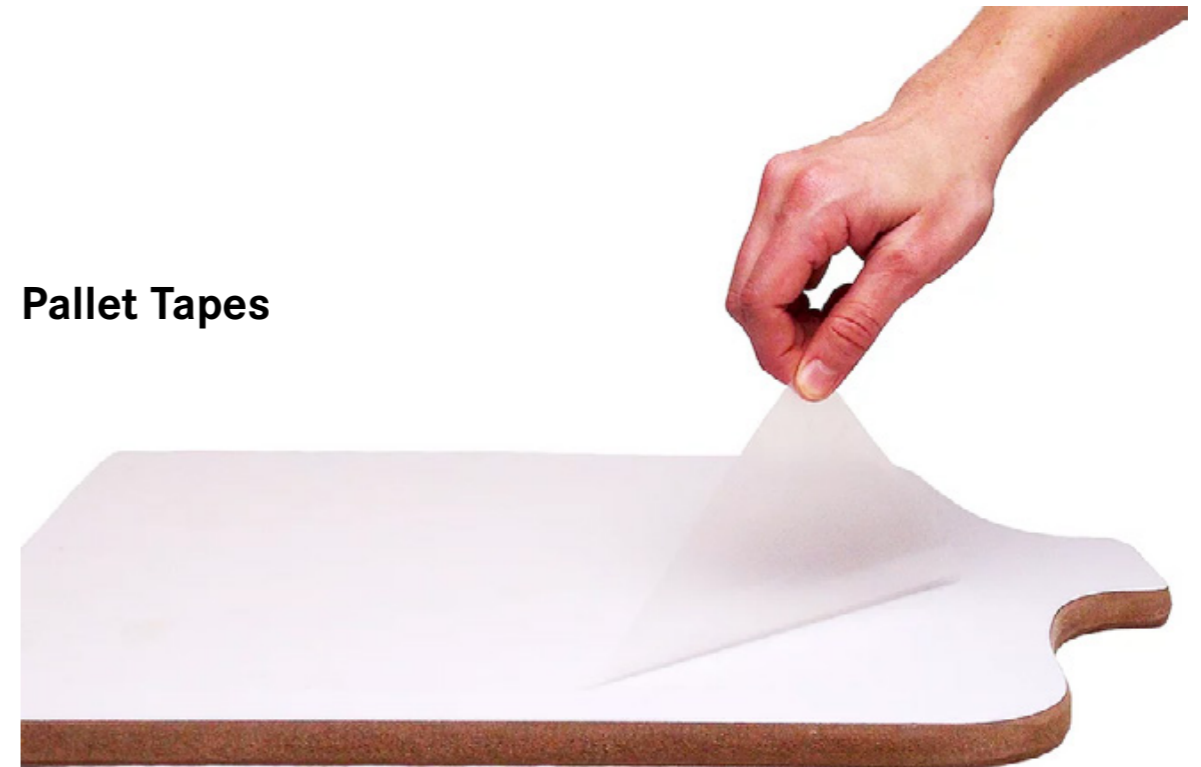
Benefits

- Use this to extend coverage further into the emulsion area from the frame edge
- Apply right over the white edge of Split Liner Tape for the same easy removal

Packaging

Available in a 3" width on 60-yard rolls and in 24 roll cases. Also available in a 2" width on 60-yard rolls and in 36 roll cases

Pallet Tapes



Dual Tack Pallet Tape

Rolls of white double sided adhesive tape for temporarily adhering textiles to the pallet for printing.

Characteristics

- Medium tack level for easy garment removal without stretching
- Compatible with all garment types

Features

- Garment side is covered with a layer of paper for easy placement onto the pallet
- Can be refreshed with a damp sponge to remove lint

Benefits

- Doesn't require any applications of liquid adhesives
- Peels off easily at the end of its service life

Packaging

Available in 15 and 18" widths on 36-yard rolls

4350 Pallet Tape

White adhesive tape used to cover pallets, enables the application of [Pallet Adhesives](#) to the tape, rather than directly onto the pallet

Characteristics

- Single sided paper tape
- Natural rubber adhesive on pallet side

Features

- Easy handling - applies to and removes from pallets without difficulty due to medium tack level
- Adhesives applied to the paper can be refreshed with a damp sponge to remove lint

Benefits

- Apply both sprays and spreadable liquid pallet adhesives to this tape rather than the equipment
- Peels off easily at the end of its service life, reducing the total clean up effort

Packaging

Available in 12, 16, 18 and 24" widths on 100-yard rolls

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.

Yellow LED Safelight

- High intensity illumination won't inhibit work
- Pure yellow light is 100% safe with no effect on any stencil material
- Low power consumption of only 7W
- Standard light socket fitting



Left: Standard fluorescent tube light in screen room

Right: Prevalence of wavelengths that expose photo emulsion

Left: Yellow light washout lab

Right: Prevalence of wavelengths that expose photo emulsion

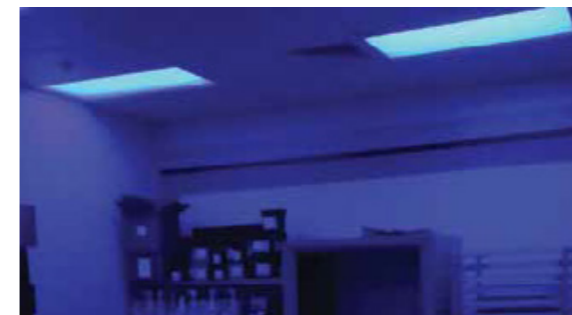
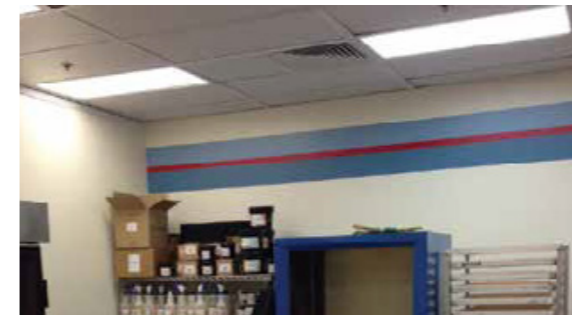
TQM Blue Light-Safe Glasses

We know that blue/purple wavelength light causes photosensitive stencil materials to begin curing, and that yellow wavelength lighting is the safest for professional, repeatable stencils. What you may not know is that there is a simple and inexpensive tool to determine whether your lab is optimized or not.

TQM Blue Light Safe Glasses block all visible wavelengths of light except for blue, so if one wears them and can see in the screen making lab, then one has blue light contamination which will affect emulsions and films before and after stencil making, reducing the reliability of stencil production methods and ultimately printing quality.

Characteristics

- Comfortable and durable glasses
- The one simple tool you need to ensure optimal light settings
- Easy to store in the screen making area



Top: Visible light in screen room with standard fluorescent tube lighting

Bottom: Visible light shows the prevalence of light wavelengths that expose photo emulsion

Top: Visible light in a screen room with [yellow safe light](#)

Bottom: Visible light shows the prevalence of light wavelengths that can expose photo emulsion

Quality Control Devices

Maximize Efficiency by Improving the Quality of Your Stencils

SAATI Mesh Counter

SAATI's Mesh Count Determiner is a fast and easy way to verify your mesh count. Can be used on stretched and unstretched fabric, with or without a stencil.

You can accurately count the number of threads per inch within +/- 2 in mesh counts ranging from 22-528 TPI.

This is accomplished by placing one of the 2 included films (22-276 TPI and 274-528 TPI) onto your fabric and rotating the film until the moire pattern appears next to the mesh count.

Benefits

- Save down time by eliminating mis-marked frames in your inventory
- Confirm incoming frames from outside vendors
- Reduce moire by matching frames of similar thread count
- Can also be used on halftone films to determine if the LPI is correct

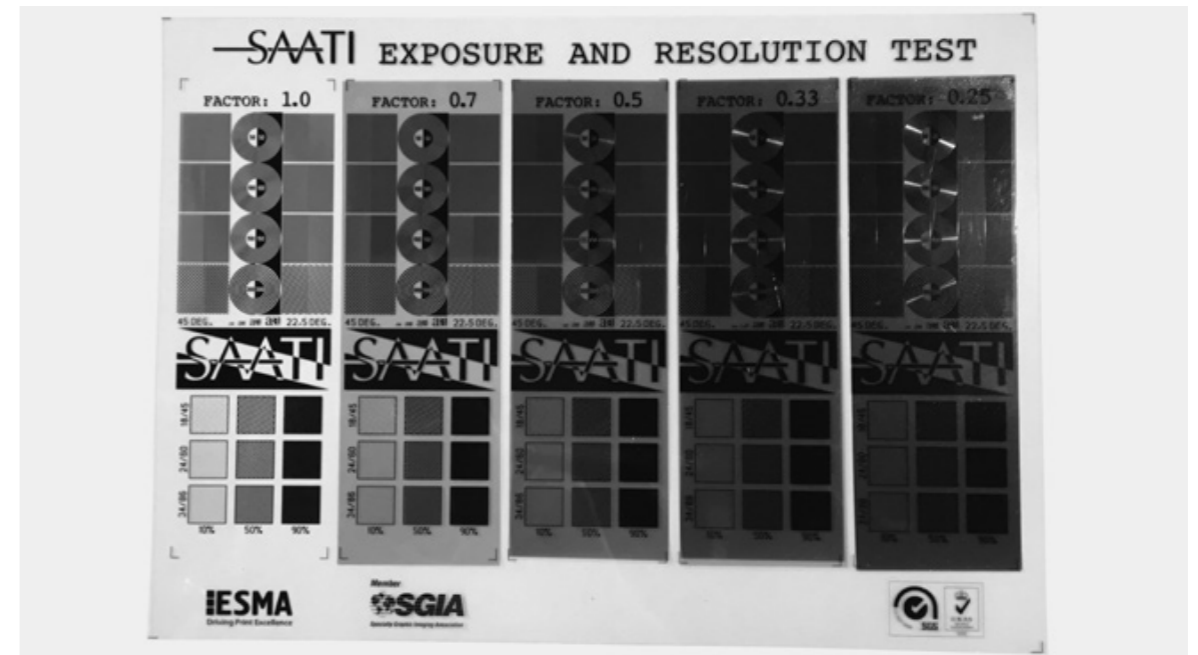
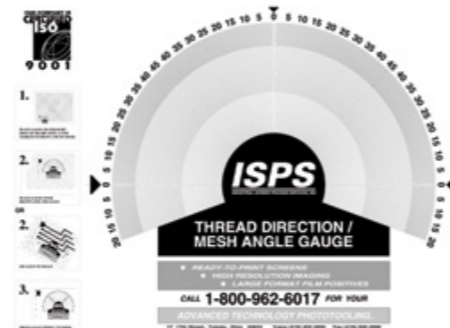


Angle Determiner

The ISPS Thread Direction/Mesh Angle Gauge is a quick and easy way to reference the mesh angle on any screen, eliminating the guesswork caused by unmarked screens especially in 4-color process printing. In addition, the gauge is very helpful in diagnosing moiré issues caused by screens or films. Can be used on both coated and uncoated screens, as well as film.

Directions

Use gauge by laying it directly on the screen or film. A moiré pattern appears on the tool at the angle it sees.



SAATI Exposure Calculator

Optically clear litho positive film for determining the correct exposure time for any particular type of photostencil emulsions or capillary films.

It contains five identical columns of fine detail graphics. Four of these are covered with a neutral density filter with a different light transmission value, in order to obtain five different exposure times from one single exposure process.

With this all-in-one film, it is very easy to identify the correct exposure time for future stencil production and it substitutes the traditional, time consuming step wedge exposure process.

Quality Control Devices

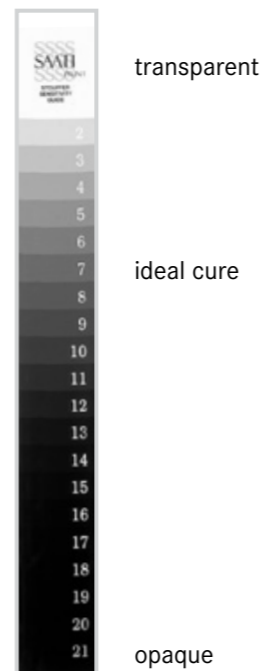
Maximize Efficiency by Improving the Quality of Your Stencils

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)



To increase exposure by	Multiply exposure by
1 step	1.4x
2 steps	2.0x
3 steps	2.8x
4 steps	4.0x

To decrease exposure by	Multiply exposure by
1 step	0.70x
2 steps	0.50x
3 steps	0.33x
4 steps	0.25x

10 Seconds
Step 4
underexposed
R_x: 2.8x (28s)



60 Seconds
Step 9
underexposed
R_x: 0.5x (30s)



30 Seconds
Step 7
Perfect Cure



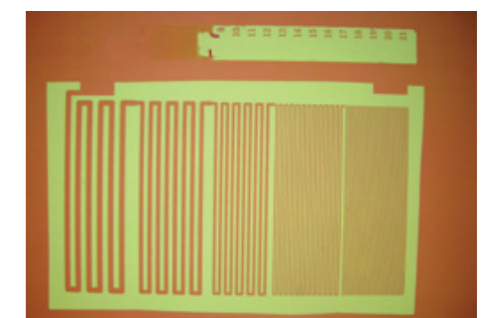
Advanced Uses

When you record the correct exposure times for each of your products at different coating thicknesses, you will have a valuable tool that will save your time, product and money.

If you expose several stencils for the same amount of time but find some overexposed or details falling out, this can suggest an inconsistencies with your coating thicknesses.

You may find that a different step result produces better prints for a particular product you are using. The 21 step guide is useful in that you can determine the optimum result taking into account different cure levels.

You can pick any value on the step guide, but for most products, 7 steps is the preferred cure level.



Quality Control Devices

Maximize Efficiency by Improving the Quality of Your Stencils

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 to an accuracy of $\pm 1\text{N/cm}$ (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.

Also available is the Newman ST-Meter 2-E which uses non-jeweled bearings and is rated to $\pm 2\text{N/cm}$ accuracy.



TQM 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.

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!



Positector Electronic Thickness Gauges

- Fast measurement speed—60+ readings per minute. Enhanced FAST mode—
- 90+ readings per minute for quick inspection.
- Ready to measure—no adjustment required for most applications
- NEW Larger 2.8" impact resistant color touchscreen with redesigned keypad
- for quick menu navigation
- NEW On-gage help explains menu items at the touch of a button
- Flashing display—ideal in a noisy environment
- RESET feature instantly restores factory settings

Accuracy

- Certificate of Calibration showing traceability to NIST or PTB included
- Built-in temperature compensation ensures measurement accuracy
- Hi-RES mode increases displayed resolution for precision applications
- Conforms to national and international standards including ISO and ASTM



Positector 6000

- Size: 127 x 66 x 25.4 mm (5" x 2.6" x 1")
- Weight: 137 g (4.9 oz.) without batteries

Durability (6000 model)

- NEW Weatherproof, dustproof, and water-resistant—IP65-rated enclosure
- NEW Ergonomic design with durable rubberized grip
- Wear-resistant probe tip
- Shock-absorbing protective rubber holster for added impact resistance
- Two year warranty on gage body AND probe

All Gages Come Complete

with precision plastic shim(s), hard shell storage case (DFT model), wrist strap, 2 AAA alkaline batteries, instructions, Long Form Certificate of Calibration traceable to NIST or PTB, USB cable, two (2) year warranty.

- 600 Model also includes protective rubber holster, protective lens shield, convenient carrying case, PosiSoft Software, 3 AAA alkaline batteries,
- Size and weight are for the PosiTector gage body only and do not include the probe.
- Conforms to ISO 19840/2178/2360/2808, ASTM B244/B499/D1186/ D1400/D7091/E376/G12, BS3900-C5, SSPC-PA2 and others



Positector DFT

- Size: 108 x 43 x 20 mm (4.25" x 1.7" x 0.8")
- Weight: 54 g (1.9 oz.) without batteries*

Quality Control Devices

Maximize Efficiency by Improving the Quality of Your Stencils

Pocket Surf III Roughness Meter

The Pocket Surf III Surface Meter is a pocket-sized, battery-operated roughness gauge for measuring stencil and substrate surface roughness parameters in Ra, Rmax and Rz with digital readout.

The Pocket Surf III is solidly built with a durable cast aluminum housing for years of accurate surface measurements. Its digital display is conveniently located on top of the device for optimum visibility.

Features

- General purpose probe with 0.0004" / 10 micron radius
- Offers three traverse lengths
- Supplied with a certified reference specimen, riser plate battery and custom-fitted protective case
- Easy-to-read LCD display presents the measured roughness values in microinches or micrometers
- Out-of-range (high/low) and battery low warning signals
- Serial output for Statistical Process Control (SPC)

Benefits

- Economically priced
- Fast and accurate; measurement produced within a half second of traversing the surface
- Provides a measurable indicator of how efficiently the print side of the stencil controls edge definition
- An acceptable Rz value assures proper gasketing of the stencil to the substrate, and controls the ink flow

Options

- Power transformer to replace battery operation



Rex H-1000 Durometer Gauge

The Rex H-1000 Mini-Dial Durometer is both compact and easy to use. Its small dial face and included leather clipon carrying case make it easy for an inspector to carry the gauge for work around the shop, or out in the field. The H-1000 durometer holds the maximum reading, until reset by pressing the button at the top of the gauge. The max-hold feature and small dial size make the H-1000 a good choice for hard to reach places, or for out of sight testing.

Characteristics

- Small face (1.675" Diameter)
- Easily fits into your pocket or clipped on belt
- Increments of 1 from 0-100
- One year warranty
- Furnished with a leather carrying case
- Conforms to ASTM D-2240 and NIST Traceable

Features/Benefits

- Will aid in identifying the durometer of any squeegee blade eliminating the guess work which will result in less press downtime
- Easily calibrated and simple enough for anyone to use
- Will help determine if the squeegee blade has fallen out of specification over time (loss of duro or gain in duro) which will result in on press printing issues



Quality Control Devices

Maximize Efficiency by Improving the Quality of Your Stencils

Vividia Portable Digital Handheld Microscope

The Vividia 3R-500UV Portable Handheld Digital Microscope has 3.5" LCD screen, up to 200x magnification, both white and UV LED lights, and 5MP sensors. Images and videos are saved on SD cards, and the microscope can be used on a PC through USB cable connection and included software. Vividia 3R-500UV are widely used in printing, forensic science, education, medical, manufacturing, electronics, hobby etc.

Features

- Small, light, and portable
- High definition images, 5MP and clear images
- Magnification from 10x to 200x. With digital zoom to ~800x
- Switchable white LED lights and UV LED lights
- Simple scale can be showed on LCD screen to assist measurement
- Can be used on PC with USB connection and included measurement application software
- Take photos and record videos and stored on SD card

Product Details

- Dimension: 117mm(L) x 75mm(W) x 67mm(H) - 4.6 x 2.9 x 2.6"
- Weight: 170g (5.75 oz) without SD Card
- Battery: Rechargeable 1800mAH lithium-ion battery
- Power Supply: DC 5V/1A ± 10%
- Battery Capacity: Approx. 4 hours for continuous working with 500 cycles



Technical Details

- Camera Type: 1/3 " color CMOS Sensor Digital Camera
- Image Resolution: 640(W x480(H), 1280x960, 1600x1200, 2048X1536, or 2560x1920(5MP)
- Image Quality: Highest Definition
- Image Format: JPEG
- Video Format: AVI with VGA or QVGA resolution
- Illumination: 4 white LED+4 UV LED with adjustable luminance and switchable
- Lens: 200x Zoom microscopy lens with High Definition
- Magnification: 10x-200x
- Digital Zoom: Continuous 4x (Max total magnification 800X)
- Aperture: Auto
- Sensitivity: Approximately equivalent to ISO 100, 200, 400
- LCD Monitor: 3.5" TFT LCD with 76800-dot(320x240)
- SD Card Support: Up to 32G
- Camera Functions: Shutter Snapshot, Video recording, Image and Video displaying
- Extending Shutter: Support extending shutter/Video recording/Led exchanging
- Focus Range: 0-60mm
- PC connection: USB 1.1/2.0



Included

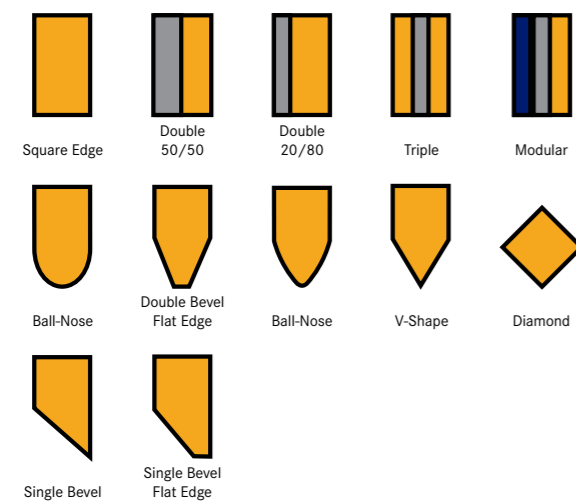
Microscope, Wired controller, Lens cover (2 pieces) & Spacer (2 pieces), USB charging cable, mini USB cable, AC/USB charging adapter, Strap, Simple scale, Software CD, SDHC card 4GB, Cleaning cloth, Instruction manual

Duralife Squeegee

Precision Polyurethane Squeegee for Screen Printing

Extra solvent-resistant, molded or cut-edge blades made in the United States and abroad to SAATI's specifications, Duralife squeegees are available as either a cast blade made in individual cavity molds or as a precision cut-edge. Manufactured with our exclusive urethane formulation that locks in abrasion resistance. Duralife squeegees hold up longer on press and resist softening, including UV and conventional solvent applications. Duralife will not be affected adversely by humidity, or harden in storage. Choose from eight color-coded durometers, from extra soft to extra hard.

Squeegee Profiles



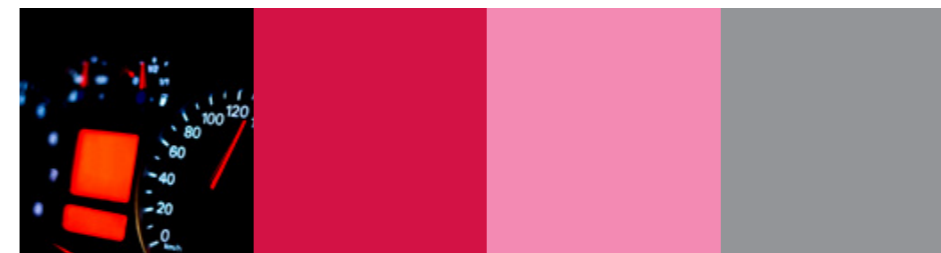
Application Guide



Textile Ceramic 50 SH 60 SH



Graphics Glass 70 SH 75 SH



UV/Industrial 80 SH 85 SH 90 SH



Printed Electronics Graphics Triple Duro

Duralife Cut Edge Squeegee

Precision Cut Edge Polyurethane Squeegee

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.

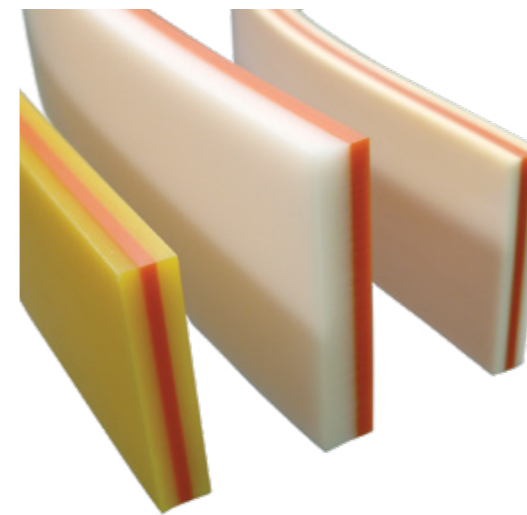
Triple Durometer Profiles

- 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

Duralife Squeegee Color Coding System	
50 durometer	Transparent
60 durometer	Orange
70 durometer	Blue
75 durometer	White
80 durometer	Red
85 durometer	Pink
90 durometer	Gray

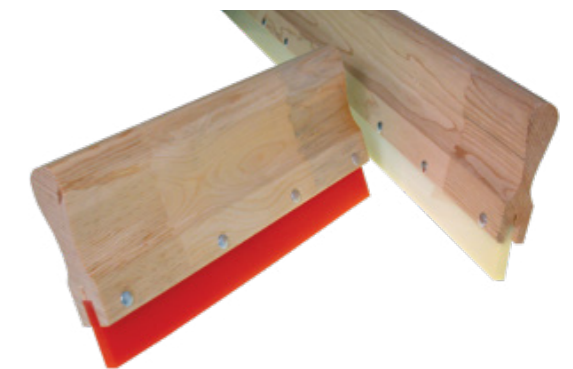
Duralife CE Squeegee Triple Durometer Models			
60/90/60	Orange	Gray	Orange
65/90/65	Yellow	Gray	Yellow
65/90/75 Modular	Yellow	Gray	
70/90/70	Blue	Gray	Blue
75/90/75	White	Gray	White
80/90/80	Red	Gray	Red
85/90/85	Pink	Gray	Pink



Assembled Squeegee

Standard squeegee size/profiles/hardnesses available in high-profile wooden holders are 2"H x 38"W in 4", 14", 16", 18" and 6'L rectangular and ballnose (rounded edge) in 60, 65, 70, 75, 80 and 85 durometers. Other combinations available by special order.

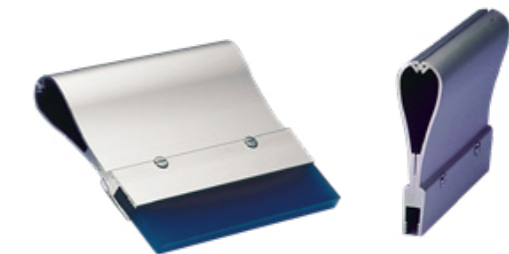
Any 2" H x 38" W x 6' L Duralife product may be ordered assembled in our high-profile wooden holder.



Magi-Grip Aluminium Handle

Any 2" H x 38" W x 6' L Duralife may be ordered assembled in our Magi-Grip high profile aluminum holder.

Available from stock in cut-to-size lengths of up to 118".



Duralife Molded Edge Squeegee

Precision Molded Polyurethane Squeegee

The individual cavity molds of Duralife ME Squeegee assure consistent and uniform blade thickness, dimensions and hardness. Duralife's molded blade maintains its print edge and resists nicking, especially our V-shape (double beveled). Unlike some cut "Vs" that can be irregular, our 60-degree angle is always precise and consistent.

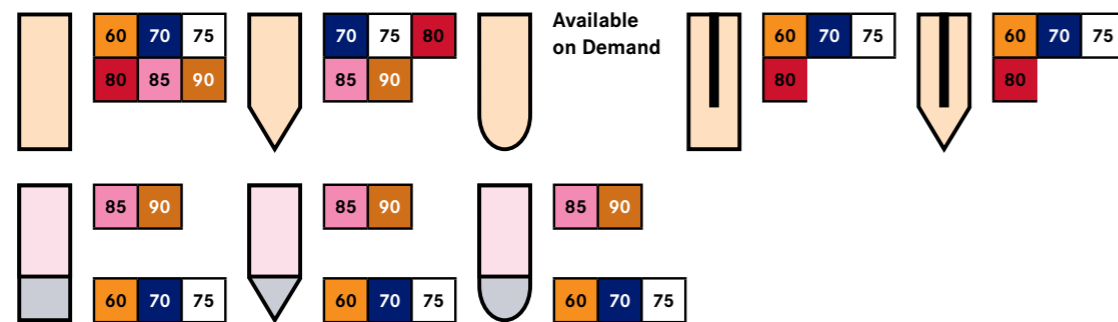
ME Series

- Premium molded edge
- UV and abrasion resistant
- Extended press life
- Resists nicking
- Sealed walls resist solvent attack
- Custom sizes available

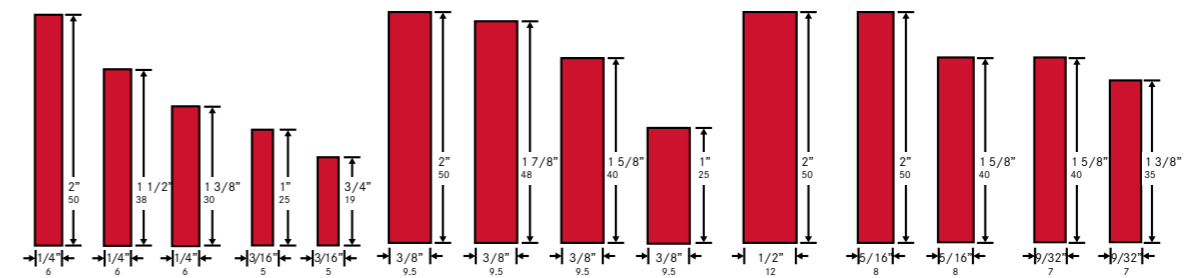
Single/Dual

Individual cavity molds assure consistent and uniform blade thickness, dimensions and hardness. Duralife's molded blade maintains its print edge and resists nicking. Duralife DUAL DURO reduces flexing and maintains a more consistent squeegee angle. Print with less pressure for longer stencil life.

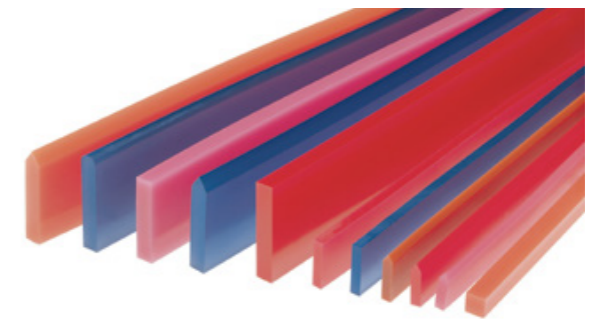
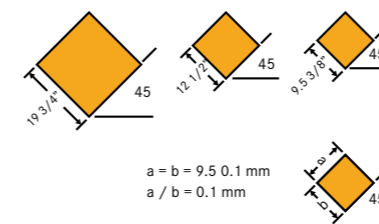
Fabrication Options



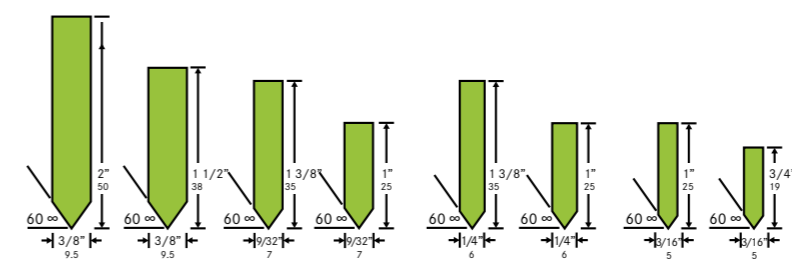
Rectangular Profiles



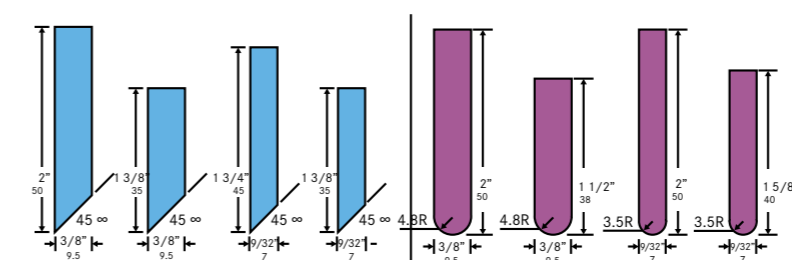
Diamond Profiles



Special Profiles



V-Double Bevel



Single Bevel

Ball Nose

Screen Printing Inks

Marabu Screen Printing Inks



Marabu Maraflex FX

Maraflex FX is a solvent based screen printing ink designed for PVC films, ABS blanks, Polycarbonate (PC), and PETG. It has good lamination and embossing characteristics. The Satin finish makes this product receptive to overprinting with offset or water based inks.

Glass Ink GL

Glass ink GL is a solvent based screen printing ink designed for glass, ceramics, metals, aluminum, chrome plated parts, coated substrates, and thermosetting plastics. The satin gloss fast drying 2-component ink is specifically designed for interior applications and has excellent washing and abrasion resistance.

Marastar MGO

Baking Ink for glass and metal applications. Highly chemical-resistant screen and pad printing ink, high gloss, high opacity, single component ink system. Mara® Tech MGO is suited for applications on glass for restaurants, cosmetics, and furniture, for sensitive applications, particularly baby bottles, for 3C applications (touch panels), and metals, e. g. stainless steel panels.

Ultra Pack LEDC

UV-LED-curable Screen Printing Ink for pretreated polyethylene and polypropylene, polyester PET and

PETG, rigid PVC, polycarbonate PC, and polystyrene PS. Very fast curing, high gloss, very good water resistance, good structural viscosity, versatile.

Ultra Pack LEDC was especially designed for direct printing onto packaging and containers.

Ultrapack UVC

Ultrapack UVC is a UV curable screen printing ink designed for pre-treated PE and PP, PET, PETG, Rigid PVC, Polycarbonate (PC) and PS. Due to its fast curing, high gloss, excellent water-resistant, and universal substrate compatibility it makes it a great choice for many applications.

Ultraglass UVGL

Ultraglass UVGL is a UV curable 2-component screen printing ink designed for interior flat glass as well as packaging and drinking glasses. This ink exhibits fast curing, high scratch resistance, excellent alkaline and chemical resistance, as well as dishwasher resistance.

Ultraswitch UVSW

Ultraswitch UVSW is a UV curable screen printing ink designed for membrane switch and overlays made of Polycarbonate (PC) and coated polyester foils. The fast drying flexible ink film will accept embossing and die cutting.

A complete complement of ancillary products like thinners, retarders, metallics and mixing clears is available.

Marabu Pad Printing



Tampa Plus TPL

Pad printing ink for ABS, polystyrene, SAN, rigid PVC, polycarbonate, acrylic glass, and varnished surfaces. Very fast drying 1 or 2 component system, resistant to alcohol and petrol, for closed and open systems.

This glossy and very fast drying pad printing ink particularly distinguishes itself by a very good printability even in a closed ink cup system. It is therefore especially suited for printing onto high-quality products such as cosmetic packaging, housings, and other items requiring a high resistance, but is also commonly used for industrial applications and promotional items.

Tampa Tech TPT

Pad printing ink for pre-treated polyethylene (PE) and polypropylene (PP), ABS, polyamide, thermosetting plastics, metal, and varnished surfaces. High gloss, good opacity, fast drying 2 component ink system, resistant to chemicals, universal use. Tampa® Tech TPT is used when high chemical resistance on thermosetting plastics, polyethylene, polypropylene, and metals are required.

Tampa Pur TPU

Pad printing ink for pretreated polyethylene and polypropylene, lacquered metals and substrates. High gloss, good hiding power, fast drying 2-component ink, chemical resistant Tampa® Pur TPU is very suitable when excellent mechanical and chemical resistance is required on duroplasts, polyethylene, polypropylene and metals.

Screen Printing Inks

A collection of products for every application

Marabu

Digital Printing Inks

Marabu has long played a key role in shaping printing technology. Their innovative ideas and products combined with in-depth knowledge of printing processes have been instrumental in driving printing technology forward. All over the world, Marabu is synonymous with high-quality inks, manufactured to the highest standards.

Enthone

Industrial Printing Inks

Cat-L Inks

Enthone 50 Series Cat-L Inks are permanent, two component, epoxy-based screen printing inks. They may be used with a selection of catalysts which cure at elevated and/or room temperatures. When properly applied and cured, Cat-L Inks have excellent adhesion to photoimageable, thermal and UV solder masks, glass, metal and plastic. They have excellent chemical and thermal resistance properties.

Enthone 50 Series Cat-L Inks are used in the electronic, aerospace, automotive, appliance and decorative container industries. Uses include the permanent marking of circuit boards, semiconductor components, connectors, dials, nameplates, edge-lit panels, chassis, glass and thermoplastics

Enthone M Series Permanent Epoxy Marking Ink

M-Series inks are permanent, two component, epoxy-based marking inks. They may be used with a selection of catalysts which cure at elevated and/or room temperatures.

When properly applied and cured, M-Series inks have excellent adhesion to glass, metal and thermosetting plastics. They have excellent chemical and thermal resistance properties.

M-Series marking inks are used in the electronic, aerospace, automotive, appliance and decorative packaging industries. Uses include the permanent marking of semiconductor components, printed circuit boards, connectors, dials, nameplates, panels, chassis, glass and thermoplastics.



Screen Printing Inks

A collection of products for every application

Total Ink Solutions

Glitter Infused Plastisol Ink Series

Total Ink Solutions Glitter Series is a phthalate free plastisol ink that has a low cure formulation to go along with its amazing glitter properties. This series is the ultimate choice when looking to add some bling to your client's project.

Features

- Vibrant colors
- Double Hit - no underbase
- Low Cure
- Short flash times

Details

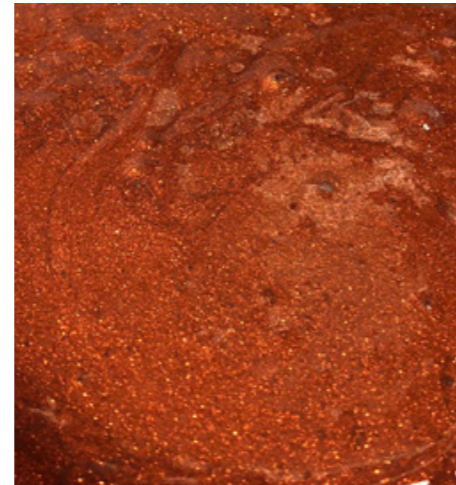
Print glitter with ease by using the correct mesh screen. There is no need for an underbase with this product. Simply print 2 hits of ink and you are good to go for each color. If you are printing multiple inks, then flash the glitter ink at 220°F (105°C) for 3 - 5 seconds prior to printing your next color. The glitters reflective attribute may elongate the flash time depending on flash unit. Make sure to test prior to full production.

Curing Instructions:

- Flash at 220°F (105°C) for 3 - 5 seconds and cure at 280°F (137°C) - 300°F (148°C).

Storage Information:

- Store at 65-90°F (18-32°C), avoiding direct sunlight. Best Use within one year of manufacturing date.



Shimmer Plastisol Ink Series

Total Ink Solutions Shimmer Series is a phthalate free plastisol ink that creates a simulated glitter / metallic look, but with the ability to still print through a 110 Mesh Screen. This series is the ultimate choice when looking to add some sparkle to your client's project.

Features

- Vibrant colors
- Double Hit - no underbase required
- Opaque
- Smooth Surface
- Excellent adhesion

Details

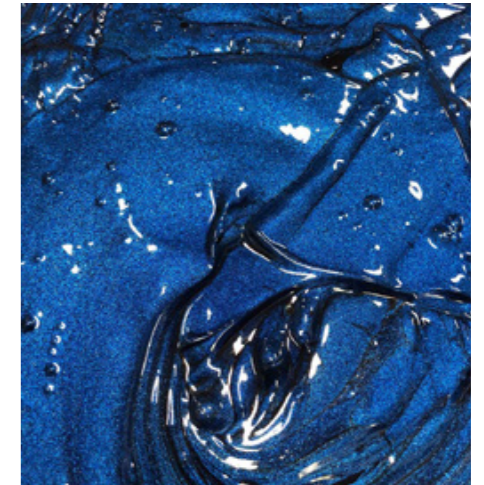
Print ease with ease by using the correct mesh screen. There is no need for an underbase with this product. Simply print 2 hits of ink and you are good to go for each color. If you are printing multiple inks, then flash the shimmer ink at 220°F (105°C) for 3 - 5 seconds prior to printing your next color. The shimmers reflective attribute may elongate the flash time depending on flash unit. Make sure to test prior to full production.

Storage Information:

- Store at 65-90°F (18-32°C), avoiding direct sunlight. Best Use within one year of manufacturing date.

Curing Instructions:

- Flash at 220°F (105°C) for 3 - 5 seconds and cure at 320°F (160°C). year of manufacturing date.



Screen Printing Inks

A collection of products for every application

Total Ink Solutions

Day Glow Fluorescent Plastisol Ink OL Series

Total Ink Solutions OL Series is a phthalate free plastisol ink that has a high opacity and bleed resistant formulation to go along with our extremely Fluorescent colors, and being the creamiest ink in the industry. Try it out in your shop today and see what everyone is talking about!

Features

- Extremely Vibrant colors
- Creamy Inks
- High Opacity
- Bleed Resistant
- Soft hand prints
- Short flash times
- Underbase NOT required

Details

Designed for single and multiple color jobs, with a print flash print on up to a 50% Cotton / 50% Polyester substrate. You can use this product on a range of substrate colors ranging from light to darks with the same effect and high opacity. For the best color output, it is suggested to use a white base on dark. For bleed resistance, use an under base white.

Curing Instructions:

- Flash at 250°F (121°C) for 3 - 5 seconds and cure at 320°F (160°C) - 330°F (165°C).

Storage Information:

- Store at 65-90°F (18-32°C), avoiding direct sunlight. Best Use within one year of manufacturing date.



International Coatings

White Textile Inks

Cool White

Low bleed, fast flashing, low tack, flexible curing, non-phthalate plastisol screen printing ink.

Cool White has a creamy viscosity with a great body, making the ink suitable for printing on auto and manual presses.

Cool White offers superior performance over a wide range of substrates, including standard textiles along with hard to print promotional items.

Performance Pro White

Low fusing, fast flashing, low tack plastisol screen printing ink.

Performance Pro White has been specifically designed for use on 100% polyester, polyester stretchable blends, and performance blacks.

Performance Pro White exhibits excellent bleed resistance and stretch properties.

Poly White

Ultra low bleed, high pigment, fast flashing, low tack, non-phthalate plastisol ink.

Poly White is specifically formulated to help block dye migration problems on various problem polyester content fabrics.



Screen Printing Inks

A collection of products for every application

International Coatings

Black Inks

Ultimate Black

Non-phthalate, high pigment, fast flashing, low tack, high performance plastisol screen printing ink.

Ultimate Black provides a deep black color that is very creamy, short bodied and is easy to print on automatic or manual presses, and can cure as low as 275°F (135°C).

Ultimate Black achieves excellent penetration into fabrics when printed through fine mesh counts.

Black Matte

Plastisol ink well suited for automated equipment although excellent results can be achieved in almost any printing operation.

Low Build Black

7600 Series Direct Print Plastisol Inks consists of 28 non-phthalate, high performance colors, formulated for ultra high speed wet-on-wet automatic printing.

The 7600 Series Direct Print Plastisol Inks offer superior performance through fast production speeds, good opacity, and wide range of popular colors. The 7600 Series can cure as low as 275° F (135° C).

Well suited for fine detail and halftone printing using finer mesh counts.



Black Performance Pro Black

Low fusing, fast flashing, low tack plastisol ink.

Black Performance Pro is specifically designed for use on performance fabrics, 100% polyester and polyester stretchable blends.

Black Performance Pro offers excellent bleed resistance and stretch properties.

Guardian Anti-Bleed Under Base



Guardian Gray & Black blocks dye migration on problem fabrics that contain polyester, including sublimated dyed fabrics.

They can take a variety of top coats depending on application; from low cure products to regular temperature curing products.

They offers superior bleed resistant properties, but on some problem fabrics it may be possible for bleeding or dye migration to occur.



Features

- All temperature cure 275° - 320° F
- Creamy and easy to print, not thick and pasty
- Stops dye migration on problem fabrics
- Works on dye-sublimation camouflage
- Can be used as under base for water base inks

Screen Printing Inks

A collection of products for every application

International Coatings

7100 Performance Pro Series

7100 Performance Pro Series is a low fusing, fast flashing, low tack plastisol based screen printing ink system, comprised of 18 colors and 1 base.

7100 Series is specifically designed for use on performance fabrics, 100% polyester and polyester stretchable blends.

7100 Series offers excellent bleed resistance and stretch properties.



Colors

7100 Mixing Base
7106 Purple
7112 Sky Gray
7113 White
7116 Black
7123 Lemon
7127 Gold

7138 Winter Orange
7146 Scarlet
7153 Cardinal
7160 Columbia Blue
7166 Royal Blue
7168 Navy Blue

7172 Dallas Green
7173 Kelly Green
7176 Dark Green
7181 Vegas Gold
7182 Old Gold
7184 Texas Orange

All-Pro 900 Series

All-Pro 900 Series Plastisol Ink is a fast flashing, 2 part ink, specifically formulated for printing on normally hard to print Nylon.

Being the industry standard for over 15 years, the ink's harder finish resists scratching, scuffing and peeling for an extremely durable image.

It can also be used without catalysts on nonwoven polypropylene bags (NPB) by adding up to 6% 3804 Low Cure Additive, which reduces cure temperatures down to 250°F (135°C).



Colors

900 Catalyst **
901 White
902 Black
903 Golden Yellow
904 Scarlet
905 Navy Blue
906 Royal Blue
907 Kelly Green

908 Metallic Silver+
909 Metallic Gold+
911 Purple
912 Brown
913 Lemon Yellow
914 Process Cyan
915 Process Magenta
916 Process Yellow

917 Maroon
920 Clear
926 Athletic Gold
931 Fluorescent Pink
932 Fluorescent Yellow
937 Athletic Dark Orange
938 Fluorescent Green
939 Fluorescent Blue
966 Athletic Light Royal

Washout Equipment



SAATI Flat Reclaim Counters

Reclaim screens in a customized horizontally integrated station. Each SAATI Flat Reclaim Counter is custom designed to take full advantage of the benefits provided by SAATI's unique chemical formulations.

Characteristics

- Stainless steel construction
- Adjustable height legs
- Tilted flat work surface that allows operator to stack screens flat for higher efficiency
- Gutters that run along the back so the water drains quickly from the table, approx 8/10 gallon per minute.
- Quick Drain Style
- Drain attachment Ready

Features

- Modular pieces can be designed to conform to the shape of your reclaim area, including corners
- Simple to install drainage
- Tough stainless design resists impacts as well as chemicals
- Compatible with SAATI chemical drum dispensing units

Benefits

- Reclaim "The SAATI Way"
- With flat counter shape, advanced reclaim techniques including stacked dwell periods can minimize scrubbing and increase efficiency
- Average of 20 screens per hour with one operator, greater efficiency with assembly line technique



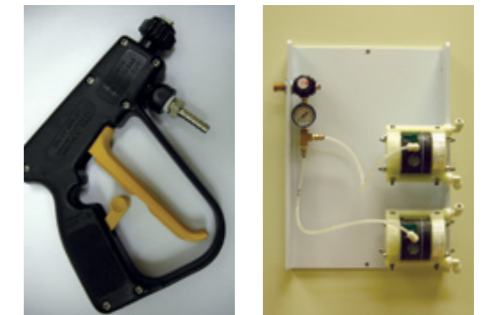
Sizes

Straight lengths come in 4', 6' and 8' lengths, with side walls attached to both end pieces. Corner pieces for creating L-shaped counters around corners are also available.

SAATI Drum

Dispensing Units

Customers that buy consistent drum quantities of our reclaim chemicals are eligible for SAATI's Drum Dispensing Unit program, which optimizes efficiency and ease of application, especially in combination with the use of the SAATI Flat Reclaim Counter.



Washout Equipment

Optimal Equipment and Tools to Maximize Efficient Reclaiming

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

Benefits

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

Directions for Use

Developing

Place screen in sink with lighting off. Rinse both sides of screen giving each area of stencil equal attention. As details emerge, use backlighting to identify under-rinsed areas, and to check for pinholes and lost details.

Reclaim

Place screen in sink. Apply chemicals by process, use backlighting to inspect reclaimed screens for residue.



Sizes

Height and Width are approximate outer dimensions, Depth is the inside measurement.

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

SAATI Elite 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
- Aluminum Legs

Features

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

Benefits

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

Directions for Use

Developing

Place screen in sink with lighting off. Rinse both sides of screen giving each area of stencil equal attention. As details emerge, use backlighting to identify under-rinsed areas, and to check for pinholes and lost details.

Reclaim

Place screen in sink. Apply chemicals by process, use backlighting to inspect reclaimed screens for residue.



Sizes

Height and Width are approximate outer dimensions, Depth is the inside measurement.

- 36"w x 48"h x 30"d
- 42"w x 48"h x 30"d
- 48"w x 48"h x 30"d
- 60"w x 48"h x 30"d
- 72"w x 48"h x 30"d
- 60"w x 60"h x 30"d
- 72"w x 60"h x 30"d
- 72"w x 72"h x 30"d

Washout Equipment

Optimal Equipment and Tools to Maximize Efficient Reclaiming

Cam Spray Cart Mounted Pressure Washers

Compact yet powerful industrial strength pressure washers that deliver [1000](#), [2000](#) or [2300](#) pounds per square inch of water pressure. They are easy to use and store. These units have power cords with GFI, ground fault interruptors for added protection.

These pressure washers have **auto start/stop**, adjustable pressure, trigger gun and two piece adjustable 0 to 60 spray tip and easy to use quick connectors on the hose. Ceramic pump plungers with replaceable stainless steel valves, forged crankshaft, roller bearings in oil bath lubrication.

Features

- Triplex plunger pump with ceramic plungers and stainless steel valves
- Auto start-stop mounts to the wall near the pressure washer
- Ground fault interruptor
- Adjustable pressure
- Non-marking hose
- Trigger gun
- 36" two-piece wand
- Multi-reg 0 to 60 degree pattern tip

Warranty

One year warranty.



1000XS	
PSI/Bar	1000/69
GPM/LPM	2.2/8.4
Horsepower	1.5
Voltage/Amp/Phase	120V/15A/1
Pump Max Temperature	140°F
Thermal	Mechanical
Dimensions	30"L x 21.5"W x 36"H
Ship Weight	150 lbs
Power Cord	35'

2000XAR	
PSI/Bar	2000/138
GPM/LPM	4.0/15.2
Horsepower	5
Voltage/Amp/Phase	230V/26A/1
Pump Max Temperature	160°F
Thermal	Mechanical
Dimensions	37"L x 23.5"W x 36"H
Ship Weight	215 lbs
Power Cord	35'

2305X	
PSI/Bar	2300/159
GPM/LPM	5.0/18.9
Horsepower	7.5
Voltage/Amp/Phase	208V/26A/1
Pump Max Temperature	140°F
Thermal	Mechanical
Dimensions	37"L x 23.5"W x 36"H
Ship Weight	265 lbs
Power Cord	10'

Available Models

[1000XS](#)

[2000XAR](#)

[2305X](#)

Cam Spray Base Mounted Pressure Washers

The Base Mounted Cam Spray cold water industrial electric pressure washer is a bare bones motor and pump combination that is designed to be mounted to a flat surface using the foot mount base of the electric motor. [1000](#), [2000](#) & [2300](#) PSI models features include **auto start-stop**, industrial motors that are totally enclosed and thermal overload protected, industrial triplex plunger pump with ceramic plungers and stainless-steel valves are protected by unloader valves. 0°, 15°, 25° and 40° Q-meg tips and trigger gun are included.

Features

- Triplex plunger pump with ceramic plungers and stainless steel valves
- Auto start-stop function attaches to handle
- Adjustable pressure
- Multi-reg 0 to 40 degree pattern tip

Warranty

One year warranty.



Available Models

[1000GEAR](#)

[2000GEAR](#)

[2305GEAR](#)

1000GEAR	
PSI/Bar	1000/69
GPM/LPM	2.2/8.4
Horsepower	1.5
Voltage/Amp/Phase	120V/15A/1
Pump Max Temperature	140°F
Thermal	Mechanical
Dimensions	28"L x 20"W x 13"H
Ship Weight	150 lbs
Power Cord Length	35' with GFCI

2000GEAR	
PSI/Bar	2000/138
GPM/LPM	4.0/15.2
Horsepower	5
Voltage/Amp/Phase	230V/26A/1
Pump Max Temperature	140°F
Thermal	Mechanical
Dimensions	28"L x 20"W x 13"H
Ship Weight	150 lbs
Power Cord	10'

2305GEAR	
PSI/Bar	2300/159
GPM/LPM	5.0/18.9
Horsepower	7.5
Voltage/Amp/Phase	230V/34A/1
Pump Max Temperature	160°F
Thermal	Mechanical
Dimensions	28"L x 20"W x 13"H
Ship Weight	150 lbs
Power Cord	10'

Washout Equipment

Optimal Equipment and Tools to Maximize Efficient Reclaiming

Cam Spray Wall Mounted Pressure Washers

Cam Spray wall mount pressure washers keep the pressure washing equipment safe and secure, mounted to the wall. Frame design includes a hook to hang the gun, hose and wand below the pressure washer. The frame features an industrial coating and grommets to hold the nozzles. Features include **auto start-stop**, an industrial motor that is totally enclosed and thermal overload protected, industrial triplex plunger pump with ceramic plungers and stainless steel valves is protected by unloader valve. 0°, 15°, 25° and 40° Q-meg tips and trigger gun included. 1500WM/SS is a deluxe model boasting greater protection for tougher environments.

Features

- Triplex plunger pump with ceramic plungers and stainless steel valves
- [1500EWM2A](#) & [2040EWMA](#) have wall mount Auto Start-Stop, [1500WM/SS](#) has an Auto start-stop feature built-in
- Adjustable pressure
- Multi-reg 0 to 40 degree pattern tip with Hi-Low for chemical injection

Warranty

One year warranty.



Available Models

[1500EWM2A](#)

[2040EWMA](#)

[1500WM/SS](#)

1500EWM2A	
PSI/Bar	1450/103.5
GPM/LPM	2.2/8.4
Horsepower	2
Voltage/Amp/Phase	120V/20A/1
Pump Max Temperature	160°F
Thermal	Mechanical
Dimensions	23"L x 16"W x 31"H
Ship Weight	170 lbs
Power Cord	35', with GFCI

2040EWMA	
PSI/Bar	2000/138
GPM/LPM	4.0/15.2
Horsepower	5
Voltage/Amp/Phase	230V/26A/1
Pump Max Temperature	160°F
Thermal	Mechanical
Dimensions	28"L x 22"W x 30"H
Ship Weight	220 lbs
Power Cord	10'

1500WM/SS	
PSI/Bar	1500/103.5
GPM/LPM	3.0/11.4
Horsepower	3
Voltage/Amp/Phase	230V/20A/1
Pump Max Temperature	160°F
Thermal	Mechanical
Dimensions	23"L x 16"W x 31"H
Ship Weight	210 lbs
Power Cord	35', with GFCI



Hammer Head Wet/Dry Vacuum Nozzle

The Hammer Head vacuum is an all-aluminium hose attachment specially designed for safely suctioning away most of the excess surface water from developed or recycled screens that will fit most wet/dry vacuums with a 1 1/4-1 1/2" hose end. Available in 8-inch (20.3 cm) width.



Brush Pads

6 x 3.5" screen scrubbers fused to an ergonomic handle for reclaiming screens easily and rapidly

Characteristics

- Highly chemically resistant brush surface for the application or spreading of every type of screen printing chemical before and after printing
- White plastic handle is fused to the brush without any adhesives

Features/Benefits

- Fusion of handle to brush means that no chemical can debond the pad from the handle
- Heavy duty handle encourages a motion that doesn't put stress on the wrist joint
- High chemical resistance makes the scrub pad compatible with even the harshest haze/ghost removers
- Brush can rest vertically on the handle to drain chemicals from the surface more quickly than face down

Zentner Speedline

Continuous Flow System for Automatic Washing and De-Coating

Each of the modules are individually self sufficient and are combined to form the SpeedLine system.

The modular construction allows extending the line at any time to incorporate upgrades; this also covers any changing requirements for future productivity. This means flexibility built on existing investment and extends the operational scope for the SpeedLine system.

The standard version SpeedLine consists of a combination of modules for loading, washing, dwell, rinsing, decoating, finishing and offloading. All units are made of highgrade rust free stainless steel 1.4301.

Optionally the SpeedLine system can be upgraded to included the Incline filtration system, StripLine filtration system and fully automatic loading and off loading magazines. The control panel enables the activation and deactivation of the individual process modules. The conveyor speed can be set electronically to allow for variable settings.



Characteristics

- Brush free - non contact cleaning
- Modular construction - line extension possible at any time
- Low maintenance construction - simple operation
- Reduced consumption system - daily cost savings
- Optimized cleaning results
- Perfect ZENTNER Systems technology
- Use of environmentally friendly [chemicals](#)

Instructions

Place the used screen printing stencil on the **loading module**.

The ink-coated screen is transported through the **wash module**. Moving jet arms wash off the ink on both sides. The circulating cleaning agent is filtered and flows back to the supply tank.

In the **dwell module**, excess cleaning agent flows back to the tank of the wash module. The remaining cleaning agent prepares the screen for the final removal.

The **rinse module** removes any residue and remaining screen filler using high-pressure water from moving jet arms.

In the **de-coating module**, the screens are sprayed on both sides at considerably high-pressure with de-coating agent. The result is an optimally deep effect and reduced ghost images. The chemicals used are filtered and returned to the cycle.

The **finish module** processes the stencil on both sides using high-pressure water from moving jet arms, completely removing all template residue. The clean screen is issued at the **offloading module**.

The unit is delivered with all the necessary documentation and CE mark. Special sizes on request.

Designed & Manufactured in Germany.

Zentner Compactline

Continuous Flow System for Automatic Washing and De-Coating

Each of the modules are individually self sufficient and are combined to form the CompactLine system.

The modular construction allows to extend the line at any time to incorporate upgrades; this also covers any changing requirements for future productivity. This means flexibility built on existing investment and extends the operational scope, since every CompactLine can be extended to a fully functional SpeedLine.

The standard version SpeedLine consists of a combination of modules for loading, washing, dwell, rinsing, de-coating, finishing and offloading. All units are made of highgrade rust free stainless steel 1.4301.

Optionally the CompactLine system can be upgraded to include the Incline filtration system and fully automatic loading and off loading magazines. The control panel enables the activation and deactivation of the individual process modules. The conveyor speed can be set electronically to allow for variable settings.

Characteristics

- Brush free - non contact cleaning
- Modular construction - line extension possible at any time
- Low maintenance construction - simple operation
- Reduced consumption system - daily cost savings
- Optimized cleaning results
- Perfect ZENTNER Systems technology
- Use of environmentally friendly [chemicals](#)



Instructions

Place the used screen printing stencil on the **loading module**.

The ink-coated screen is transported through the **wash module**. Moving jet arms wash off the ink on both sides. The circulating cleaning agent is filtered and flows back to the supply tank.

In the **dwell module**, excess cleaning agent flows back to the tank of the wash module. The remaining cleaning agent prepares the screen for the final removal.

The **rinse module** removes any residue and remaining screen filler using high-pressure water from moving jet arms.

In the **de-coating module**, the screens are sprayed on both sides at considerably high-pressure with de-coating agent. The result is an optimally deep effect and reduced ghost images. The chemicals used are filtered and returned to the cycle.

The **finish module** processes the stencil on both sides using high-pressure water from moving jet arms, completely removing all template residue. The clean screen is issued at the **offloading module**.

The unit is delivered with all the necessary documentation and CE mark.

Designed & Manufactured in Germany.

Sustainable Chemicals

SAATI is Committed to the Production of Sustainable Screen Printing Chemicals

We avoid any use of toxic chemicals such as NMP & methylene chloride, HAPS, phthalates and heavy metals, to ensure RoHS compliance.

Our products are biodegradable and drain-safe when used according to instructions published in the SAATI product [Technical Data Sheets](#).

Renewable ingredients are used whenever possible and high efficiency formulas are designed to minimize waste. Many of our products are offered as concentrates, or in bulk, to minimize post-consumer packaging waste and whenever possible we utilize packaging with a high-recycled content.

Our cleaning and reclaiming chemicals in particular are designed to be operator friendly, VOC-compliant and with minimal impact on the environment.

We achieve this through the use of high-efficiency formulas and replacement of 100% solvent-based products with water-based alternatives.

Natural ingredients feature heavily in our formulas. We utilize solvents and surfactants derived from renewable resources including corn, soy, coconut, and citrus as alternatives to derivatives of petroleum, a depleting resource.



Green Parameters: Where Does SAATI Fit In?

- Non-hazardous/less-hazardous product alternatives
- Products with easy biodegradability & that are drain-safe
- Products made with renewable ingredients
- Low VOC product alternatives
- Concentrates & bulk packaged product to minimize landfill waste
- Products with low use level & waste through high efficiency
- No toxics, NMP, methylene chloride, HAPS, phthalates or heavy metals used in any product

Some Green Product Highlights Include:

- **Direct Prep 2:** Mesh prep & degreaser made with 100% renewable ingredients.
- **Remove ER2:** Biodegradable stencil remover concentrate with high efficiency for reduced use level.
- **Remove IR3:** Renewable soy-based ink remover with close to zero VOC's.
- **Remove IR4:** Water-based ink remover with low organic content.
- **Remove HR5:** Powerful and fast acting haze remover that is user friendly, easily biodegradable and made with 100% renewable ingredients.
- **Remove HR6:** Stain remover & degreaser that is non-caustic with a pleasant cherry scent.



SAATI Chemicals

World Class Chemicals for Each Step of the Screen Cleaning Process



SCAQMD Compliant Product Package

SAATI manufactures a range of products designed for compliance with SCAQMD regulations governing VOC content. Products are formulated to maintain the same high efficiency and economy of use associated with SAATI's industry leading range of Press Wash, Ink, Emulsion and Haze Removers, as well as Mesh Pre-Treatments.

These are products for the printer that wants to pollute less but can not sacrifice efficiency or results in the reclaim area.

Pretreatments/Degreasers

- [Direct Prep 1](#)
- [Direct Prep 2](#)
- [Direct Prep 3](#)

Press Wash

- [Remove PW1](#)
- [Remove PW8](#)

Ink Removers

- [Remove IR8](#)
- [Remove IR17](#)

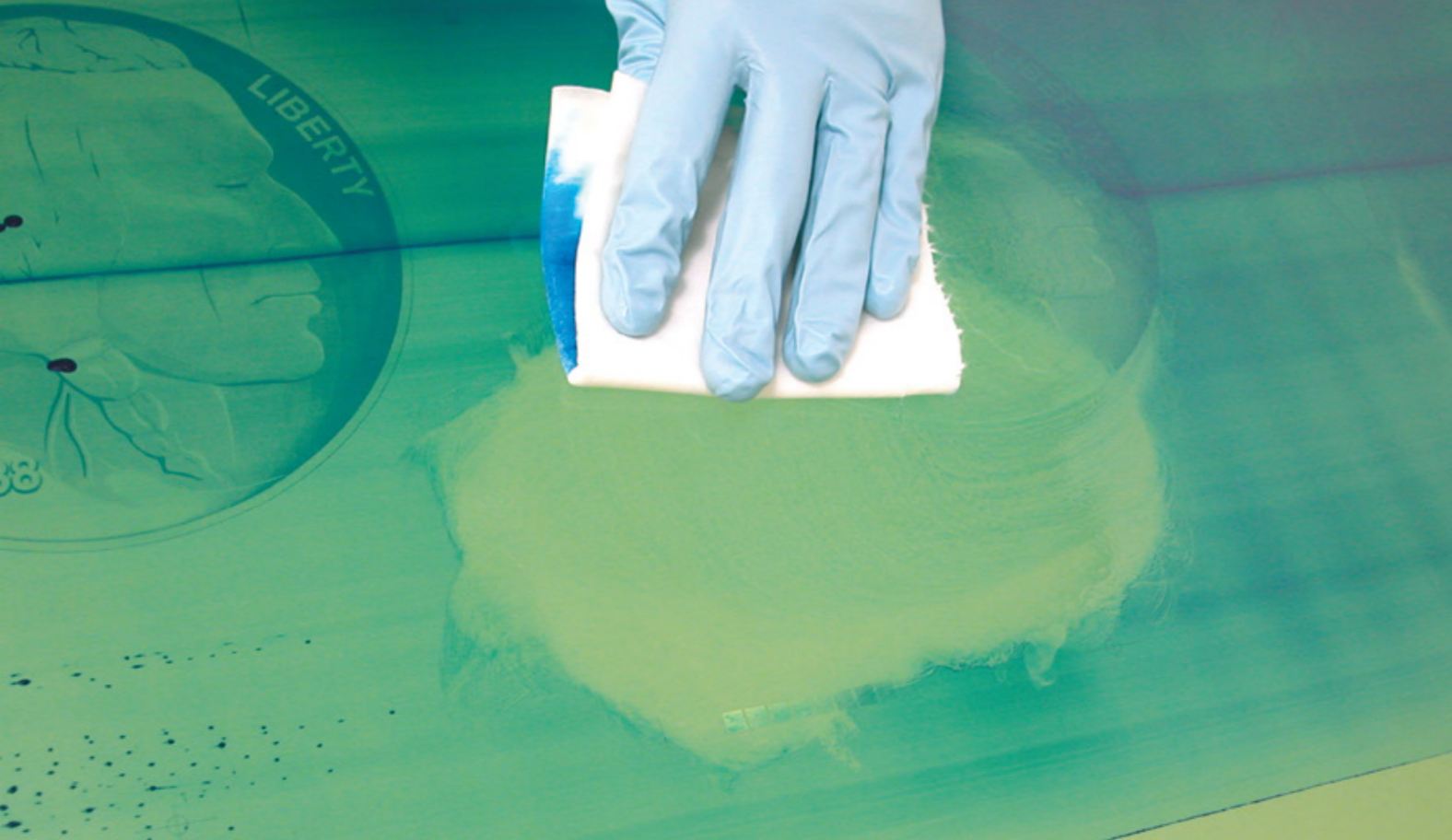
Emulsion Removers

- [Remove ER1](#)
- [Remove ER2](#)
- [Remove ER6](#)
- [Remove ER10](#)

Haze Removers

- [Remove HR3](#)





SAATI Press Wash

Remove inks on press prior to either color changes, full screen recycling, or to unclog blockages in the stencil. SAATI offers Press Washes for every type of ink, and also a formula compliant with SCAQMD regulations.

Screen Opener

Cleans Dried-In Ink From the Screen During Printing

- Works on all solvent-based inks including two-part epoxies
- Easy-to-use aerosol

Available in 12-oz Containers.

Remove PW1

Fastest-Evaporating Press Wash

- Most economical press wash
- Works on most inks
- Compliant with SCAQMD VOC limits—VOC free
- Flammable

Remove PW2

Most Versatile Press Wash

- Highly effective on all inks
- Use on-press between ink changes or when saving stencil

Remove PW3

Low VOC Press Wash

- Less than 500g/L VOC content
- Highly effective on all inks
- Use on-press between ink changes or when saving stencil

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 PW5

Highly Effective on all Inks

- Use on-press for general screen maintenance and for color changes
- Orange scent

Remove PW6

Most Versatile Fast Evaporating Press Wash

- Highly effective on all inks
- Use on-press between ink changes or when saving stencil

Remove PW8

SCAQMD Compliant Press Wash

- Less than 100g/L VOC content
- Highly effective on all inks
- Use on-press between ink changes or when saving stencil

Remove PW9

Press Wash for Plastisol

- Economical
- Will not lock up plastisol resistant only emulsions
- When wiped with cotton rag, masking tape will stick immediately

Remove PW10

Apple-Scented Press Wash for Plastisol

- Economical
- Will not lock up plastisol resistant only emulsions
- When wiped with cotton rag, masking tape will stick immediately
- Pleasant apple scent





SAATI Ink Removers

Chemicals for degrading inks on screens during clean up or recycling. SAATI offers Ink Remover products for every type of screen printing ink, and also two formulas that are compliant with SCAQMD regulations.

Remove IR1

Our Most Effective Screen Wash/Ink Degradent

- Removes the most stubborn and harshest inks
- Use in spray or recirculating tanks

SAATI Remove Ink removers are available in quart, 1-gallon, 5-gallon and 55-gallon containers.

Remove IR2

Our Most Versatile Screen Wash/Ink Degradent

- Works on most inks used in graphics, industrial and electronic printing
- Use in spray or recirculating tank
- Compliant with SCAQMD VOC limits

Remove IR3

Textile Screen Wash/Ink Degradent

- Ideal for garment and textile applications
- Works on all plastisol
- Compliant with SCAQMD VOC limits

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 IR5

Ink Degradent For Textile, UV, and Poster Inks

- Works well in manual and [automatic equipment](#)
- Significantly reduces ink staining
- Orange scent

Remove IR6

Ink Degradent for Most Ink Systems

- Use for manual or [automatic equipment](#)
- Orange scent

Remove IR8

Textile Ink Degradent for Manual Cleaning

- Works well on Plastisol, Nylon and water-based inks
- Reduces ink staining
- Can be reapplied to remove ink stains
- Compliant with SCAQMD VOC limits

Remove IR10

Ink Degradent for UV, Plastisol, and Poster Inks

- Can be used for manual or [automatic equipment](#)
- Safe on CA glue
- Safe on plastisol resistant emulsions

SAATI Ink Removers

World Class Ink Removers for Each Type of Screen Printing Ink

Remove IR11

Ink Degradent for Most Ink Systems

- Use for manual or [automatic equipment](#)
- Orange scent

Remove IR14

Low Odor Textile Ink Degradent for Manual Cleaning

- Reduced odor during pressure washing of textile screens
- Works well on Plastisol, Nylon and Waterbased inks
- Reduces ink staining
- Can be reapplied to remove ink stains

Remove IR17

Ink Degradent for Most Ink Systems

- Can be used for manual or [automatic equipment](#)
- Compliant with SCAQMD VOC limits
- 0g/L VOC content



Remove IR18

Versatile Ink Degradent for Combination Use With ER6 Ink/Emulsion Remover

- Works on most inks used in textile, graphics, industrial and electronic printing
- Designed for spray or brush application and can be used for manual and [automatic equipment](#)
- Mix 1:1 with [Remove ER6](#) to remove ink and emulsion when heavy duty cleaning is required.
- Mix 1:1:1 with [Remove ER6](#) and water to remove ink and emulsion for lighter duty cleaning

Remove IR19

Water-Based Textile Ink Remover

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

Remove IR25

HAPS Free Universal Ink Remover

- Versatile ink remover, cleans solvent-based, UV-Cured and Textile inks
- HAPS free
- 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

Remove IR26

Universal Ink Remover

- Versatile ink remover, cleans solvent-based, UV-Cured and Textile inks
- Low foam and low odor and can be used for manual or [automatic equipment](#)
- Can be mixed with [Remove ER6](#) and used as one-step ink and stencil remover
- 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

Remove IR29

No Foam Universal Ink Remover for Automatic Cleaning

- Flash point >200°F (93°C)
- No foam & low odor and can be used for manual or [automatic equipment](#)
- Can be mixed with [Remove ER6](#) and used as one-step ink & stencil remover solution
- 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 reduce ghost images



Remove IR32

Economical Ink Degradent for Most Ink Systems

- Use for manual or [automatic equipment](#)
- Orange scent
- Economical formula

Remove IR33

No Foam Universal Ink Remover for Automatic Cleaning

- Flash point >200°F (93°C)
- No foam & low odor and can be used for manual or [automatic equipment](#)
- Can be mixed with [Remove ER6](#) and used as one-step ink & stencil remover solution
- 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 reduce ghost images

SAATI Emulsion Removers

Chemicals for breaking down emulsion on screens during screen recycling. SAATI offers Emulsion Remover products are universally effective, and there are four formulas in compliance with SCAQMD regulations.

Concentrated Formulas

Remove ER1

Concentrated Powder

- Most economical stencil remover
- For normal strength, dissolve 1.5 ounces by weight in one gallon of water
- Use up to 6 ounces per gallon for more resistant stencils

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)

Remove ER5

4-1 Concentrated Emulsion Remover

- Liquid concentrate
- Mix 1 part Remove ER5 with 4 parts water
- Economical product for spray application
- Very easy to dissolve and will not crystallize



Remove ER10

Concentrated, Easy-to-Dissolve Liquid

- Mix 1 part with 50 parts water by weight (1 to 80 by volume)

Remove ER13

Super Concentrated Liquid Emulsion Remover

- Highly concentrated liquid reclaimer
- Dilutes 1:40 by volume or 1:25 by weight to make a full strength working solution for spray application
- Can be diluted up to 150:1 by volume or 100:1 by weight, depending on requirements for use in automated screen recycling systems

Remove ER25

Economical, 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
- Economical
- Mix 1 part with 25 parts water

Remove ER26

Economical, 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
- Economical
- Mix 1 part with 25 parts water

SAATI Emulsion Removers

World Class Emulsion Removers in a Range of Universally Effective Concentrations

Mixes with [specific Remove IR products](#) for a 1-step ink & emulsion remover solution

Remove ER6

Liquid Concentrate with Recommended Dilution of 1:5 to 1:10 Parts Water

- Contains emulsion remover combined with surfactant to assist with ink removal
- Designed for use with dip tank application
- Can be used to remove stencil and ink in one step in conjunction with [high pressure water spray](#)
- Works with all emulsions and with plastisol and UV cured inks

Remove ER6 Plus

Emulsion Remover Concentrate to Mix with Gelative ER6

- Concentrate that is mixed with Gelative ER6, to make reclaiming gel for textile screens
- Mix 1:1 with Gelative for optimum results as spray on 'dip tank in a bottle' process
- Easily applied by spray, or brush, and allows for batch reclaiming of multiple screens
- Stays put where applied for maximum effectiveness
- Fast acting and economical, no waste

Remove ER6 Gelative

Gel additive for use with Remove ER6 one-step emulsion and ink remover system.

- Produces clear stable gel when mixed with Remove ER6
- Removes ink and emulsion in one easy step
- Clings to screen like a diptank in a bottle
- Works with all photoemulsions and capillary films
- Boosts cleaning power to minimize ghost image



Description	Remove ER1	Remove ER2	Remove ER5	Remove ER10	Remove ER25	Remove ER6
Color	White powder	Colorless liquid	Colorless liquid	Colorless liquid	Colorless liquid	Colorless
Mixing Ratio	1.5 oz of ER1 per gallon of water	1 part of ER2 with 25 parts of water by weight	1 part of ER5 with 4 parts of water			1 part ER6 with 2-3 parts Remove IR26 ink remover
Why Choose This Product	The most economical SAATI emulsion remover product	contains built-in degreaser for enhanced stencil removal				Mixes with IR for "all-in-one" cleaning/ decoating process



SAATI Haze Removers

Chemicals for releasing any locked in remnants of old stencils after ink & emulsion removal. SAATI Haze Removers are universally effective against all ghost/haze, and come in liquid and convenient paste formulas. One formula is also SCAQMD compliant.

Remove HR1

Low-caustic liquid haze remover

- Safe for mesh – can be left on screen overnight
- Does not need to be reactivated with solvent

Remove HR2

Fast-acting liquid haze remover

- Can be used in [automatic reclaiming systems](#)
- Effectively works in minutes!

Remove HR3

Fast-acting haze remover paste

- Viscous cling to prevent run off and minimize waste
- Provides the highest strength cleaning power
- Effectively works in minutes!

Remove HR4

Non-caustic haze remover paste

- Alternative to caustic and bleach-based haze removers
- Ships as non-hazardous

Remove HR5

Fast-acting liquid haze remover

- Can be used for manual and [automatic cleaning](#)

Remove HR9

Fast-acting haze remover paste

- Viscous cling to prevent run off and minimize waste
- Low odor formula removes the toughest ghost images
- Easy to apply
- Effectively works in minutes

Remove HR12

Ready to use haze remover liquid

- Viscous cling to prevent run off and minimize waste
- Powerful formula is able to remove older stains
- Designed to work on both wet or dry screens

SAATI Stain Removers

Chemicals applied after emulsion removal that can break up any stains from the most recent print run. They have viscous and non-caustic formulas that can't attack the mesh surface

Remove HR6

Non-caustic stain remover

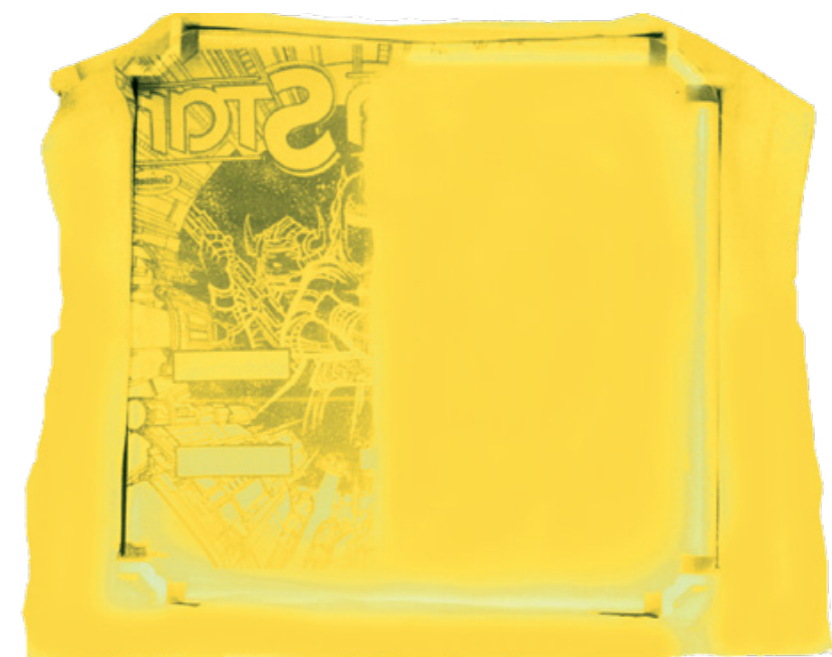
- Easy to apply semi-viscous formulation
- Contains a mild abrasive that accelerates removal of heavy stains
- Will not damage mesh
- Works well on current press run ghosts
- Pink with pleasant cherry scent



Remove HR7

Non-caustic grit-free stain remover

- Easy to apply semi-viscous formulation
- Will not damage mesh
- Works well on current press run ghosts
- Pink with pleasant cherry scent



SAATI Hand Cleaners

SAATI Hand Cleaners are designed to remove inks, oil & grease, paints and other oily soils while simultaneously moisturizing the skin. SAATI handcleaner products are available in volumes of 4 ounce, 1 quart, 6 quart packs, and gallon volumes of 1, 5, and 50.



Pump dispenser tops are also available for gallon containers

Remove HC8

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

Green Apple Hand Cleaner

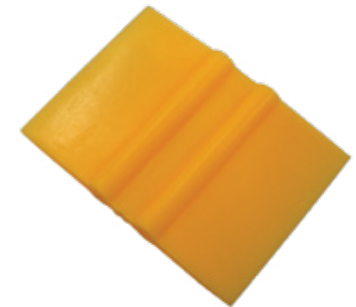
Green Apple Hand Cleaner is also designed to remove inks, oil & grease, paints and other oily soils.

- Light green water-based lotion
- Contains abrasive for difficult soils, with a finer grit than HC8
- Safe alternative to aggressive solvents
- Pleasant green apple scent

Auxiliary Items

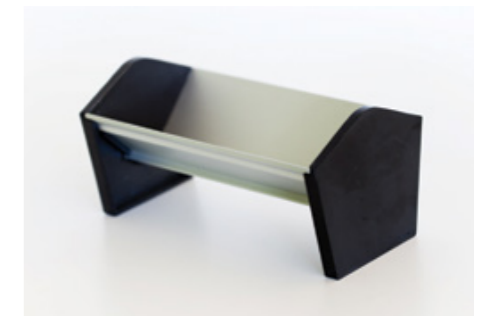
Spreader Squeegees

Durable polyurethane miniature squeegees for spreading both [Ultrafix CA](#) adhesives onto the frame and [liquid blockouts](#) onto the perimeter of stencils before printing. Available in 6 cm and 15 cm lengths.



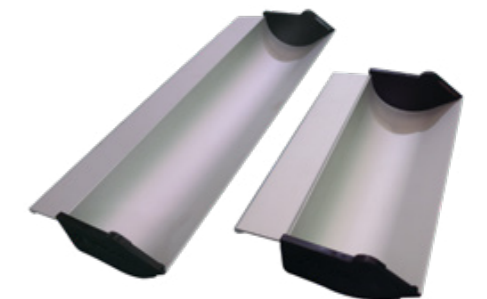
Dual Edge Coating Troughs

- Available in lengths of 3 meters
- Edge profiles of .5 & 1 mm combined in one tool
- Made of high quality aluminium



Single Edge Coater Troughs

- Available in lengths of 2.5 meters
- Coating profile of 1.25mm
- High volume for longer coating sessions



Registration Check

Register Check is a roll of transparent polymer film that can be placed on media to make test prints during multi-color printing jobs. Available in 76 µm and 152 µm thicknesses.



Auxiliary Items

High Quality Accessories for Your Screen Making Cycle

MBX Tool

MBX tools, available in electric or pneumatic drive units, are constructed to optimize the performance of the MBX belts and vinyl eraser. The high output rpm of the drive units are reduced to provide high torque, resulting in efficient performance and safe operation. The “in-line” design allows for increased control, flexibility and access during surface preparation tasks.

The MBX Advantage

The MBX Metal Blaster powers specialized wire brush belts that quickly strip epoxy, mesh and ink from aluminum screen frames. The cleaned surface is perfectly textured for bonding new screen mesh.

Advantages

- Specially designed U-shaped wire bristles strike the surface in a chiseling action, removing epoxy, mesh and ink, not substrate material.
- The angled, sharpened, and hardened tips of the bristles cut a light sandblast texture on the metal surface – maximizing the adhesive strength when re-bonding new mesh.
- No heat is generated on the surface and no odor is created when removing epoxy and screen residue.
- The MBX belts clean the surface evenly – no surface contours, sharp edges or uneven texture.
- The MBX power tools are lightweight, easy to handle and provide full visibility of the working surface.
- The MBX belts are safe and durable and can be easily re-sharpened for a long performance life.

Electric Drive Specifications	
Free Speed:	3,200 rpm
Voltage Rating:	120 v ±10
Amperes:	4 amps
Weight:	4.0 lbs
Warranty:	12 months







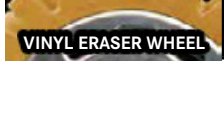
Pneumatic Drive Specifications	
Free Speed:	3,500 rpm
Air Pressure Requirement:	90 psi
Average Air Consumption:	4 cfm
Interior Air Hose Size:	3/8”
Weight:	2.4 lbs
Warranty:	6 months

Belt Applications

Specifically designed to clean aluminum screen frames, the MBX Medium belt will completely remove adhesive and mesh residue. These long lasting belts will strip and resurface dozens of frames prior to re-sharpening. SAATI offers a complete line of MBX Wire Belts in carbon steel, stainless steel and copper beryllium with coarse, medium and fine finishes.

Belt Specifications	
Wire	0.5mm carbon spring steel
Tips	Angled, hardened and sharpened
Finish	Light, sandblast-like texture
Size	43 mm



Belts	Specifications	Sizes	Applications
 COARSE STEEL	WIRE TIPS FINISH 0.7mm carbon spring steel Angled, hardened and sharpened Coarse, sandblast-like texture	43mm 23mm 11mm	Remove sealers, coatings Profile steel surfaces Roughen fiberglass, plastic & rubber
 MEDIUM STEEL	WIRE TIPS FINISH 0.5mm carbon spring steel Angled, hardened and sharpened Fine, sandblast-like texture	43mm 23mm 11mm	Remove heavy rust, paint Remove epoxy, marine growth Profile aluminum surfaces
 FINE STEEL	WIRE TIPS FINISH 0.5mm carbon spring steel Straight and hardened Smooth or lightly textured	43mm 23mm 11mm	Remove light rust, paint Remove gasket material Clean contours, nooks & crannies
 MEDIUM STAINLESS	WIRE TIPS FINISH 0.5mm surgical stainless steel Angled and hardened Fine sandblast-like texture	23mm 11mm	Removes paint, corrosion Cleans weld seams, burn & slag Effective for non-ferrous metals
 FINE STAINLESS	WIRE TIPS FINISH 0.5mm surgical stainless steel Straight Smooth or lightly textured	23mm 11mm	Removes paint and oxidation Removes liquid gaskets Cleans weld seams, safe on rivets
 CONCRETE BELT	WIRE TIPS FINISH 0.8mm spring steel Straight Clean, debris free	43mm	Removes concrete residue from metal surfaces Cleans crud and debris
 VINYL ERASER WHEEL	WIRE TIPS FINISH Rubber compound Toothed wheel Clean metal, fiberglass & glass w/o damage to OEM paint or substrate	25mm	Removes vinyl, decals & pinstripes Removes reflective & DOT tape Removes molding & adhesive tape

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