



Saati's Advanced  
Fabrics And Chemicals  
For The Touch Screen Panel Market

纱帝网布和化工产品  
应用于触摸屏市场



—SAATI

# Corporate Presentation

## 公司简介

SAATI is a multinational group with its corporate headquarters in northern Italy, weaving the future since 1935. Today we are a leader in the development, manufacturing and commercialization of advanced technical textiles and chemicals.

纱帝是一家跨国公司，总部在意大利北部，以编织起源于1935年。今天我们已经成为一家集研发、制造和销售先进技术网布和化工产品于一体的领导者。



Saati's competencies encompass specialized woven fabrics and chemical technologies used in the fields of Screen printing, Filtration, Structural composites and Ballistic protection. Precision woven fabric materials, processing chemicals and enhanced performance coatings are key technology competencies at Saati's core.

纱帝的能力包括应用于丝网印刷，过滤，复合结构和防弹保护领域内的编织网布和化工工艺。精密的编织网布材料，化工处理，增强的涂料表现力是纱帝核心的关键技术能力。

Saati Printing and Chemicals Divisions offer a One Stop Solution for every segment of Screen Printing, such as: 纱帝印刷和纱帝化工分支机构对每个丝网印刷的应用，提供了一个一站式解决方案，例如：



Textile  
纺织



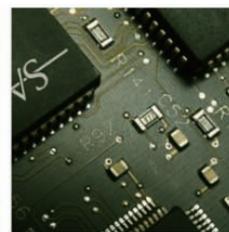
Glass  
玻璃



Ceramics  
陶瓷



Graphics  
图形



Consumer Electronics  
电子



CDs  
光盘

**SAATI Printing Division** engineers and manufactures a wide range of fabrics such as:

- SAATILENE Hitex (suited for textile and ceramics applications)
- SAATILENE Hi-R (for every traditional screen printing applications)
- SAATILENE Hi-Bond Plus (the best printability and stencil resistance)
- SAATILENE Hi-Format (for High-end and large format applications)
- SAATILENE HI-LO (for High-end electronic products)

**SAATI Chemicals Division** formulates and develops a complete range of screen making and reclaiming chemicals which perfectly fit with Saati Printing Mesh. SAATI Chemicals products include a wide range of complete solutions for screen printing such as:

- Emulsions
- Adhesives
- Mesh Pre-Treatments & Degreasers
- Capillary film
- Blockouts
- Reclaim products

SAATI Printing & Chemicals products are environmentally friendly and are manufactured in accordance with ISO 9001.

纱帝的印刷分支机构制造了一个广泛的网布产品系列，例如：

- 适用于纺织和陶瓷行业
- 对每个传统丝网印刷应用
- 最好的适印性和网版耐溶剂性
- 对高端和巨大尺寸的应用
- 对高端电子产品的应用

纱帝化工分支机构发展了一个完整的网版制作和回收并能极好匹配纱帝印刷网布的化工产品系列。纱帝化工产品包括了一个完整的对丝网印刷的解决方案，例如：

- 感光胶
- 粘网胶
- 网布预处理和脱脂剂
- 毛细菲林
- 封网胶
- 回收产品

纱帝印刷和化工产品环保安全，制造符合ISO9001认证。

# SAATI

# The Touch Screen Panel Market

## 和我们相关的触摸屏

Nowadays, the Touch Screen Panel (TSP) market is one of the leading segments of worldwide electronics, with incredible growth potential for the following years. The TSPs are used for several application fields (smartphone, smartbook, tablet, all in one pc, ATM, media players, Touch Screen TV, etc ... ) and can have different characteristics depending on the technology used (Projected Capacitive, Resistive, Optical imaging, etc).

现今，触摸屏（TSP）市场是全世界电子业的领跑行业之一，在接下来的几年内将会有难以置信的发展潜力。触摸屏（TSP）电容式、电阻式等工艺模式可被用于多个应用领域：智能手机，智能笔记本，平板电脑，一体式电脑，ATM机，媒体播放器，触摸式电视等。



all in one PC  
一体式电脑



smartphone  
智能手机



tablet  
平板电脑



touch screen TV  
触摸式电视机

Screen Printing is involved in different phases of TSP manufacturing, the main are:

- The Cover Glass's external decoration
- The Touch Sensor's Printing
- The printing of the Light Guide Panel within the Display

Saati is today a One Stop Shop Solution for the TSP's Screen Printing process. In fact, at Saati you can find a unique package composed of high-tech products and know how:

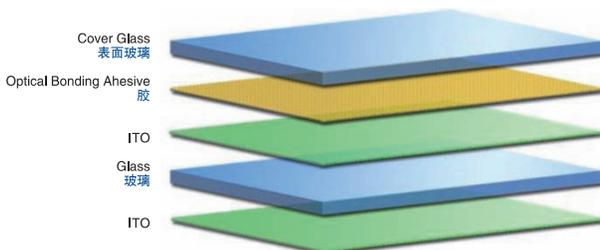
- High modulus monofilament Polyester mesh: SAATILENE Hi-R product family.
- Super high modulus monofilament Polyester mesh: SAATILENE HiLo product family.
- Emulsions and Capillary films specifically developed for the TSP market and where our SAATIGRAF HSX is the Key Product Family with perfect suitability to either stainless steel or to Polyester mesh.
- A complete product range of auxiliary chemicals supporting the Pre-Press phase (glues, fillers) and the Post-Press phase (removers, cleaning solvents).
- QC & Manufacturing Tools (tension meter, thickness gauge, aquacheck, squeegee, etc).
- All the needed technical support.

丝网印刷在触摸屏制造中的不同应用，主要是：

- 防护玻璃外部装饰
- 导电图的印刷
- 在显示器内的导光板的印刷

对触摸屏丝网印刷的应用，如今纱帝是一站式解决方案。事实上，在纱帝你能找到由高科技产品和专业知识组成的打包产品：

- 一个高模数的单丝聚酯网布：SAATILENE Hi-R系列产品。
- 一个超高模数的单丝聚酯网布：SAATILENE HiLo系列产品。
- 针对触摸屏市场而特别设计应用的感光胶和毛细菲林，及关键产品SAATIGRAF HSX，以完美的适配性对不锈钢网或聚酯网。
- 一套齐全的辅助化工产品系列支持印前处理（粘网胶，封网胶），及印后处理（除影鬼膏，清洗剂）。
- 质量检测和生产工具（张力仪，厚度仪，水分仪，刮胶等）。
- 客户需要的所有技术支持。



# The Cover Glass External Decoration

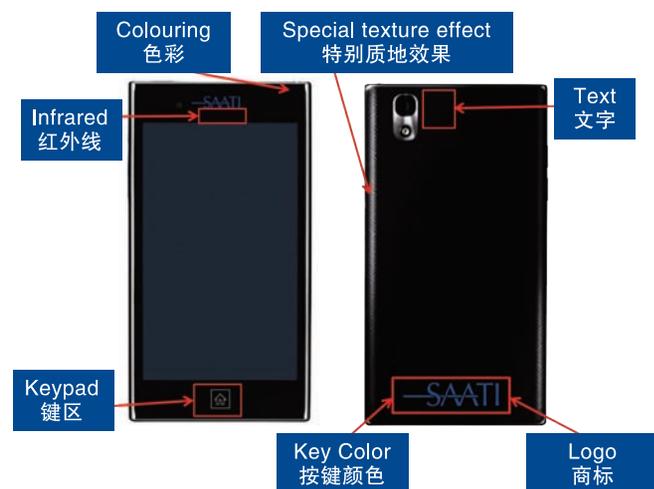
## 防护玻璃面板的外部装饰

Screen Printing is the main technology used for the TP's Cover Glass decoration and Saati product range, either mesh or chemicals, is largely used in this market segment.

丝网印刷是用于触摸屏表面玻璃装饰的主要技术，纱帝产品范围，网布和化工主要用于这个市场。

The main applications where you can find Saati fabrics and Chemicals are:

对主要应用，在哪里你能发现纱帝丝网和化工产品的所在：



Saati Key products for this market segment are:  
对这个市场，纱帝关键产品是：

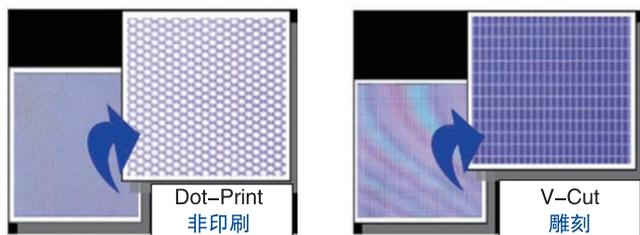
HiLo 165.27  
HiLo 140.31  
HiLo 120.34  
SAATIGRAF HSX  
Grafic HU

# Light Guide Panel

## 导光板

The Light Guide Panel (LGP) is a transparent acrylic panel made from pure PMMA resin, on whose bottom face a dot matrix is printed or a line matrix is scratched. The light source is installed on its edge(s). It distributes the light coming from the light source evenly over the whole upper face of the acrylic panel. It is a key component to maximize the uniformity of light, to make backlight slim and to reorient the line or dot light source such as fluorescent, decoration lamp or LED to the plate light source.

导光板(LGP)是一个透明的丙烯酸的面板,由纯PMMA树脂制成,它的底部覆盖的点矩阵是被印刷的。这个光源是竖着安置。它分配的的光的光源均匀地来自整个上面的丙烯酸面板。这个是基础部分去优化均匀一致的光,为了使得背面的光变细,同时使之适应线或圆点光源,例如荧光,装饰灯或金属板光源的LED灯。



Saati Key products for this market segment are:  
对这个市场的纱帝关键产品是：

HiLo 165.27  
HiLo 150.27  
HiLo 140.31  
HiLo 120.34  
SAATIGRAF HSX

Saati product line is largely used to screen print the Pattern on the PMMA panel where the consistent and squared mesh open area is one of the essential properties to spread consistently the light on the screen.

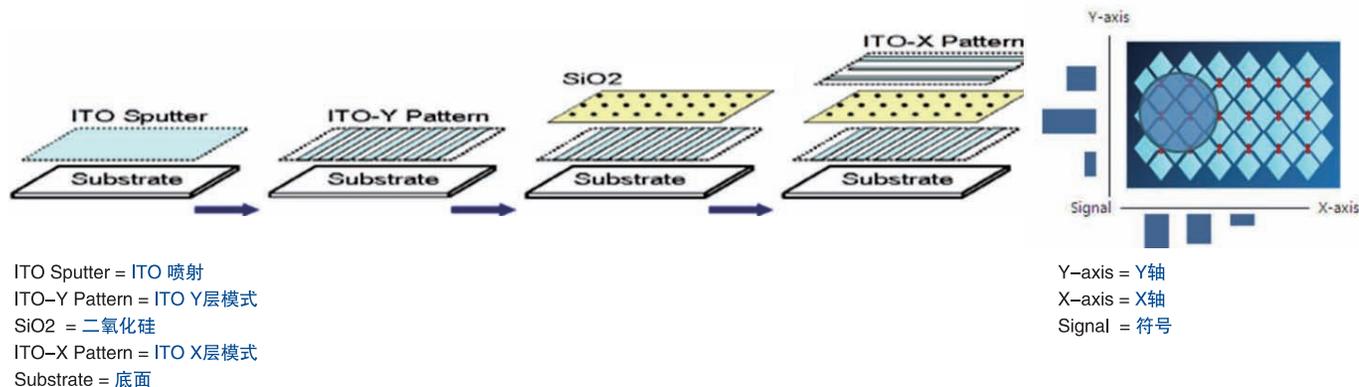
Saati产品系列主要被用于在PMMA面板上的丝印部分，一致性和方形的网布开孔区域是基本特征之一，能展开始终一致的光源在屏幕上。

# The Touch Sensor (Pro-Cap Touch Panels)

## 传感器

Nowadays, the Capacitive Technology is the most common in the small size Touch Panels (Smartphone & Tablet). The Standard structure of these devices is made up by 2 layers coated by ITO materials on which a conductive pattern is screen printed (ITO Y pattern & ITO X pattern). The 2 layers are glued one to the other through an Optical Clear Adhesive (OCA) and are separated by an insulating material.

现今，电容式工艺是小尺寸触摸面板应用中最普遍的（智能手机和平板电脑）。这些装置的标准结构是由2层被涂上ITO的材料制成。这个ITO材料是一个导电图，由丝网印刷印成（ITO的Y部分和ITO的X部分）。这2层通过一个光学透明的粘合剂（OCA）互相粘上，同时通过绝缘材料分开。



In Summary, the Touch Sensor realisation implies that screen printing is used for the following applications:  
 总的来说，触摸传感器真正意味的是丝网印刷能被用于如下应用：

- Printing of the internal Conductive Pattern (Layer X and Layer Y)
  - Printing of the external Conductive Lines (Layer X and Layer Y)
  - Printing of insulating ink, to separate/protect the 2 conductive patterns (layer X and layer Y)
  - Printing of Alkali or Acid resisting Ink
  - Printing of protective glue
- 内部导电图（X层和Y层）的印刷
  - 外部导电图（X层和Y层）的印刷
  - 绝缘油墨的印刷，去分开和保护2个导电部分（X层和Y层）
  - 碱性和耐酸性油墨的印刷
  - 保护胶的印刷

Saati Key products for this market segment are:  
 对这个市场的纱帝关键产品是：

HiLo 165.27  
 HiLo 140.31  
 HiLo 120.34  
 HiLo 100.40  
 Hi-R 77.55  
 SAATIGRAF HSX

# Saati product Range For the TSP Market – Saati Mesh

## 纱帝产品系列应用于触摸屏市场—纱帝网布产品

**Saati Printing** offers a complete mesh product range for all the Touch Panel segments. We consider 2 different levels of market: Medium and High End, where Saatilene Hi-R and HiLo are respectively our 2 TP product lines.

纱帝印刷提供了一个完整的网布产品范围对所有触摸面板分支。我们考虑2个不同层次的市场：中等和高端，无论哪个，Saatilene Hi-R 和 HiLo都能代表我们2个触摸面板产品线。

- **Saatilene Hi-R** is a highly Performing product line, whose special surface treatment and mechanical properties guarantee excellent printing results and represent the main benefits for our TP customers (either stencil maker or TP maker). Our Key Hi-R articles for the TP market are:
- **Saatilene Hi-R**是高表现力的产品线，其经过特别的表面处理和机械特征保证了极好的印刷效果和能够给我们触摸屏客户带来更多的利益（无论是网版制造商还是触摸面板制造商）。对触摸面板市场，我们重要的Hi-R规格是：

Hi-R	Mesh count	Nominal thread diameter	Weave	Mesh opening	Open Area	Thickness	Theoretical ink volume	Specific cross section	Typical tension after relaxation
	网布目数 cm (inch)	线径 $\mu(m)$	织法	网布开孔 $\mu(m)$	开孔率 %	厚度 $\mu(m)$	理论油墨体积 $cm^3/m^2$	有效截面积 $mm^2/cm$	松弛后的典型张力 N/cm
Hi-R 180.27	180 (450)	27	PW	23	17	42	7.2	0.103	18
Hi-R 165.31	165 (420)	31	PW	23	15	49	7.1	0.125	23
Hi-R 140.31	140 (330)	31	PW	36	26	47	11.9	0.105	20
Hi-R 120.31	120 (305)	31	PW	47	40	46	18.4	0.090	19
Hi-R 120.34	120 (305)	34	PW	45	29	54	15.7	0.108	21
Hi-R 100.40	100 (266)	40	PW	55	31	63	19.1	0.125	23
Hi-R 77.55	77 (196)	55	PW	70	28	90	26.1	0.182	27

PW = 平纹

- **Saatilene HiLo** is our Premium Product line and represents the Saati specialty for the TP market. The HiLo product range is made up by HiLo 165.27, HiLo 150.27, HiLo 140.31 and HiLo 120.34. Our Key Product in the TP market is the HiLo 165.27.
- **Saatilene HiLo**是我们重要的产品线和被定义为纱帝专门用于触摸面板市场。这个HiLo产品范围是由HiLo 165.27, HiLo 150.27, HiLo 140.31和 HiLo 120.34组成。对这个触摸面板市场，我们重要的产品是HiLo 165.27。

HiLo	Mesh count	Nominal thread diameter	Weave	Mesh opening	Open Area	Thickness	Theoretical ink volume	Specific cross section	Typical tension after relaxation
	网布目数 cm (inch)	线径 $\mu(m)$	织法	网布开孔 $\mu(m)$	开孔率 %	厚度 $\mu(m)$	理论油墨体积 $cm^3/m^2$	有效截面积 $mm^2/cm$	松弛后的典型张力 N/cm
HiLo 165.27	165 (420)	27	PW	29	23	42	9.6	0.094	23
HiLo 150.27	150 (380)	27	PW	32	23	42	9.6	0.113	21
HiLo 140.31	140 (330)	31	PW	35	25	45	10.8	0.105	24
HiLo 120.34	120 (305)	34	PW	43	26	53	14.1	0.108	23

PW = 平纹

# Saati product Range For the TSP Market – Saati Chemicals

## 纱帝产品系列应用于触摸屏市场–纱帝化工产品

In addition to photo-emulsions, Saati Chemicals product range includes frame adhesives, meshprep degreasers & fillers or blockouts, for screen making, as well as press wash, ink removers and stencil & ghost image removers, for screen recycling.

除了感光乳剂，纱帝化工产品范围包括了对网版制作时所用的网版粘合剂，网布预处理脱脂剂和封网胶；同时包括了对网版回收时所用到的生产擦试剂，油墨清洗剂和网版除鬼影膏。



Adhesives include our industry leading Ultrafix SB5 Plus, a two part PU system with excellent mechanical strength and chemical resistance. We also offer a range of Ultrafix CA one-part instant curing adhesives that are available in a wide range of viscosity to suit all mesh & frame combinations.

粘合剂包括了我们工业领先产品Ultrafix SB5 Plus，双组构成，有极好的机械力和抗化学能力。我们同样提供了一系列的 Ultrafix CA单组分即用型粘网胶产品，能广泛适用于匹配所有网布和网版。

Finish S2 is a high solids filler, or blockout, for frame edge sealing that is resistant to all inks and cleaning solvents.

Remove PW series are press wipes and series includes popular products PW2, PW5 or PW7.

Remove IR series are post press ink removers and series includes popular products IR2, IR6 and IR18

Remove ER series are stencil removers and family includes ready to use liquid or paste as well as concentrates for local dilution. Popular products include ER4 and ER10.

Remove HR series are ghost image removers that allow mesh to be recycled with no trace of ink or stencil residue. Popular products include HR8-C and HR9.

Finish S2是一个高固体封网胶和封边胶，用于网框四边，耐所有油墨和清洗溶剂。

Remove PW系列是生产擦试剂，它的系列包括了畅销产品PW2，PW5和PW7。

Remove IR系列是后处理油墨清洗剂，它的系列包括了畅销产品IR2，IR6和IR18。

Remove ER系列是网版去除剂，它包括了即用型液体和膏体，同时包括浓缩体可再根据需要稀释。畅销产品包括了ER4和ER10。

Remove HR系列是除鬼影膏产品，能允许网布被回收，而没有油墨痕迹和网版残留物。畅销产品包括了HR8-C和HR9。

# SAATI

# Focus on Saatilene HiLo

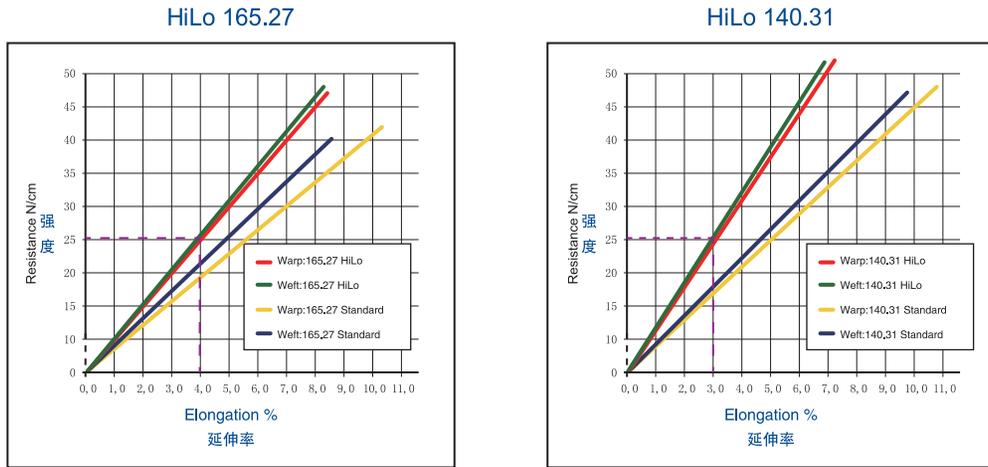
## 着重推荐Saatilene HiLo网布

Saatilene HiLo (Hibond Low Elongation) is a super high modulus monofilament Polyester mesh especially developed for the TSP market, which requires a very high image precision.  
 Saatilene HiLo(超高张力低延伸)是一个超高模数的单丝聚酯网布，特别应用于有非常高精密图象要求的触摸屏市场。

Saati uses a special fiber whose polymeric structure gives extraordinary physical & mechanical properties to the product:  
 纱帝使用一种特别的有聚合结构的纤维，作用于产品能获得特别的物理和机械性能：

1)The extremely low and balanced elongation between warp and weft grants a higher dimensional stability.  
 在经线和纬线之间具有极低和平衡的延伸率，以获得高的稳定性。

Graph: Elongation  
 图：延伸率



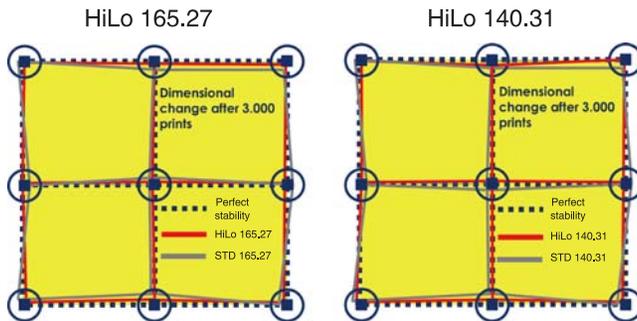
Warp = 经线 Weft = 纬线 Standard = 标准的

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

HiLo网布的经线和纬线的搭配几乎完美。以25N张力水平的HiLo 140.31，其延伸率在3%左右，同样165.27达到4%左右。

Graph: Dimensional Stability

图：空间稳定性



Dimensional change after 3000 prints = 在3000印次后的空间变化  
 Perfect stability = 完美稳定性  
 STD = 标准的

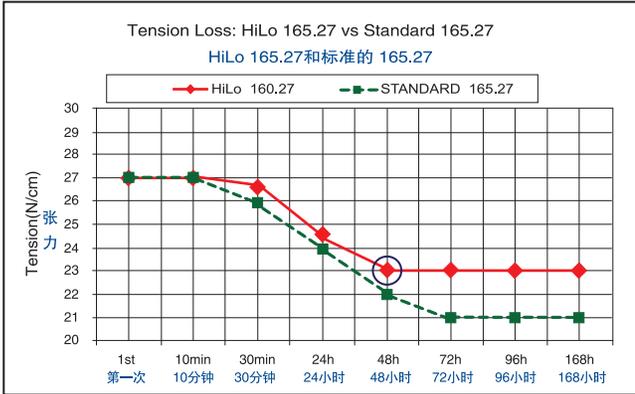
2)The extremely low mesh relaxation, which guarantees:  
 极低的网布延伸率，可以确保：

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

- 在张网后，避免张力丢失。
- 在短时间内，网布准备好后就能使用，同样使得非常快地调到适度张力。
- 在整个生产操作中，印刷质量稳定并能改善油墨的通透性。

Graph:Tension Loss: HiLo 165.27 & Standard 165.27  
图:张力丢失: HiLo 165.27和标准的 165.27

Tension Loss: HiLo 140.31 & Standard 140.31  
张力丢失: HiLo 140.31 和标准的 140.31



Standard = 标准的

HiLo 140.31 final tension after relaxation is around 24N/cm with 4N Tension Loss.  
HiLo 165.27 final tension after relaxation is around 23N/cm with 4N Tension Loss.

HiLo 140.31在松弛后的稳定张力在24N/cm左右, 从拉网到稳定张力之间丢失4N张力。  
HiLo 165.27在松弛后的稳定张力在23N/cm左右, 从拉网到稳定张力之间丢失4N张力。

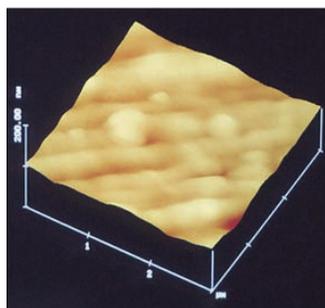
Furthermore, the exclusive Plasma treatment is able to modify the mesh surface. As a result, the mesh's hydrophilic behaviour eases the emulsion adhesion on its surface. Advantages:

此外, 一项独特的真空等离子处理技术能改变网布表面。因此, 增加了网布的亲水性, 及增加了网布和感光胶的附着力。

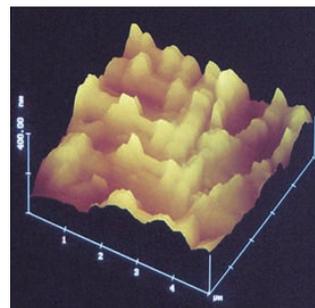
- A longer printing life of the stencil and a higher printing quality in terms of resolution and definition.
- The degreasing process is no longer needed: better manufacturing efficiency and lower costs.
- 网版长的保存期和根据清晰度和分辨率方面来看是一个高质量的印刷。
- 不再需要脱脂处理: 较好的生产效率和低成本。

Low elongation, low relaxation and the exclusive surface treatment give properties to the mesh which allow to obtain a perfect long-lasting Printing's reproducibility and stability.

低延伸、低回缩和独特的表面处理对网布提供一个完美的长久持续的重复印刷力和稳定性的特性。



normal mesh surface  
普通网布表面



mesh surface plasma treated  
经过等离子处理的网布表面

The Saatilene HiLo product family includes very fine meshes which are ideal for the different Screen Printing employment phases within the TSP manufacturing.

包括触摸屏制造在内, Saatilene HiLo高品质系列网布还能用于不同丝网印刷应用。

# Saatigraf HSX: Our Emulsion For the TSP Market

## Saatigraf HSX感光胶适用于触摸屏市场

Saatigraf HSX family of photo-emulsions are specifically developed to enable manufacture of high quality stencils to print functional materials used during fabrication of electronic devices.

Saatigraf HSX感光乳剂被特别研发成能用来制造高质量的网版,去印刷特定的用于电子装置的材料。

Screen printing has been adapted as a reliable and highly accurate industrial process for controlled deposition and patterning of components. It is used across all electronics segments, including manufacturing of circuit boards, solar cells, multi-layer ceramic capacitors, and now in particular for the production of capacitive TSP's.

丝网印刷已经作为一个可靠的和高精确的工业过程处理工艺,对沉积物控制和图案构成。它被用于所有电子行业分支,包括电路板制造,太阳能电池,多层陶瓷电容器,如今特别应用于电容式触摸面板的生产。

Excellent acuity (resolution/definition) combined with optimal mesh bridging and smooth sidewall geometry are critical factors that allow clean and faithful micro replication of highly detailed structures and designs.

极好的表现性(分辨率和清晰度)与最佳网布架接和光滑侧壁的几何形状相结合是至关重要的因素,使得可以详细地复制非常详细的结构和设计。

Saatigraf HSX emulsions employ sub micron dual-cure technology, with medium viscosity and high solids content and are designed for use with stainless steel or polyester mesh. They exhibit excellent mesh bridging properties and low Rz values. This enables fine control over pastes and fluids used in the printing process.

Saatigraf HSX是一个叠氮,低粘度和高固含量的感光胶,这些特性对聚酯或不锈钢网可获得完美效果。他们展示了极好的网布架接特征和较低的RZ值。这能够很好地控制在印刷过程中使用的印料。

Saatigraf HSX products also display extraordinary resistance against typical solvents used during screen cleaning, including ethanol that is widely used. This extra solvent resistance guarantees excellent mechanical resistance and improved Screen reliability and reproducibility for long print runs.

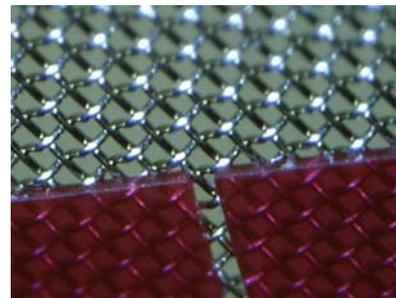
Saatigraf HSX产品同样展示了非凡的耐溶剂能力,用于在网版清洗期间,包括广泛使用的乙醇在内。这种特性保证了极好的机械能力和改进了网版的可靠性,再现能力可以达到长久印次。

The main advantages of Saatigraf HSX specifically for the TSP manufacturing process are:  
Saatigraf HSX的主要优势是专门用于触摸屏制造加工:

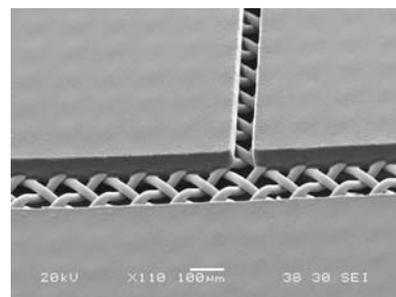
- exceptional acuity and edge definition
- high resolution and ability to accurately reproduce fine structures
- highly resistant to a wide range of solvents, including ethanol
- excellent mesh bridging and adhesion to either Polyester mesh or stainless steel
- wide latitude and ability to control stencil properties
- 精细网点和边缘锐利度
- 高分辨率和具有精确再现完美细节的能力
- 特别的耐溶剂力(包括乙醇)
- 对聚酯网或不锈钢网具有完美的适用性
- 宽容度好和具有控制网版属性的能力

These features make Saatigraf HSX a "tailor-made" solution for screens utilized in TSP fabrication in terms of performance, functionality and innovation.

根据触摸屏市场的功能和创新来说,所有这些特性使得Saatigraf HSX成为一个“定制”的感光胶。



emulsion performance on Stainless Steel  
感光胶在钢丝网上的表现



emulsion performance on Polyester Mesh  
感光胶在聚酯网上的表现

# Saati's Product Package For TSP

## 满足触摸屏应用的纱帝产品包

Saati HiLo mesh and Saatigraf HSX photo-emulsions have been specially co-developed in order to satisfy the quality standard required by TSP market.

The combination of their technical properties leads to screens with outstanding performance level in terms of Printing precision and consistency.

Saati HiLo和Saatigraf HSX是两款为了满足触摸屏(TSP)市场的需求而特别研发的产品。这两款产品合加起来的技术参数在印刷的精密度和均匀度方面可获得一个显著的表现力水平。

- Saati HiLo hydrophilic behaviour, combined with Saatigraf HSX medium viscosity, enables stencils with very low RZ values, for improved print definition.
  - Saati HiLo surface plasma treatment and optimised dyne level ensures superior stencil adhesion for extended screen life and robust performance.
  - Saati HiLo combined with Saatigraf HSX submicron particle technology creates a composite screen with unsurpassed image reproduction and printing properties.
  - Saati HiLo dimensional stability, in conjunction with Saatigraf HSX outstanding resistance to solvents, allows extremely precise, consistent and long print runs.
- Saati HiLo网布的亲水性与Saatigraf HSX低粘度的特性结合起来，能够达到非常低的RZ值，由此改善了图象清晰度和分辨率。
  - Saati HiLo的表面等离子处理和优化的力学方面的等级确保较高膜版附着力，能延伸网版寿命和高表现性。
  - Saati HiLo与Saatigraf HSX的超微末颗粒工艺结合，以卓越的图象再现和印刷特征创造了一个复合网版。
  - Saati HiLo网布极好的空间稳定性，和Saatigraf HSX显著的耐溶剂力有关，由此获得一个非常精确的，均匀的和长久印次的效果。

Saati offers a complete pre-press and post-press product package dedicated to the TSP fabricator supply chain. Product package includes a range of state-of-the-art auxiliary chemicals that facilitate all stages of the screen making process. Ultrafix adhesives for mesh to frame bonding, Finish block-outs to seal and retouch the screen before printing. Lastly, a full range of Remove products for screen cleaning and recycling.

完整的一套印前产品可被用于触摸屏市场的需要，纱帝提供了一个广泛的辅助化工产品系列，为了减少印前处理的所有步骤。就如我们的胶水来说，可有效地把网布粘在网框上，在印刷前用封网胶产品封住网孔。此外，除鬼影膏系列产品在清洗和回收网版时被用到。

By offering a complete product package (including mesh, adhesives, emulsions, capillary films and screen recycling chemicals), Saati aims to be Your One Stop Shop Solution for all Screen Making materials used for TPS manufacturing.

通过提供完整的产品包（包括网布，感光胶，菲林和其他辅助化工产品），纱帝致力于成为一个一站式服务的公司，对在触摸屏市场中的所有丝网印刷应用。





Contact us  
联系我们

**WORLD HEADQUARTERS**  
全球总部

**SAATI S.p.A.**

Via Milano, 14  
22070 Appiano Gentile (CO) ITALY  
Phone : +39 (0)31 9711  
Fax : + 39 (0)31 933392  
e-mail : [info.IT@saati.com](mailto:info.IT@saati.com)  
Website : [www.saati.com](http://www.saati.com)

**BRANCHES**  
分支机构

**SAATI Americas Corp.**

201 Fairview Street Extension  
SC 29644 Fountain Inn USA  
Phone : +1 ( 864 ) 6018300  
e-mail : [info.US@saati.com](mailto:info.US@saati.com)

**SAATI Technical Fabric (TIANJIN) CO., LTD.**

Cross of Saida 2nd Branch Road and Saida Century Avenue,  
Xiqing Economic Development Area, Tianjin, China, 300385  
Phone : (+86)22 23960832  
Fax : (+86)22 23962116  
e-mail : [info.cn@saati.cn](mailto:info.cn@saati.cn)

**SAATI Technical Fabric (TIANJIN) CO.,LTD.**

SHANGHAI SALES OFFICE  
Room 47bis,4th Floor,Lombardy Building-No 999, Ningqiao  
Road,Pudong,Jinqiao Shanghai,China,201206  
Phone : (+86)21 58999113  
Fax : (+86)21 50317438  
e-mail : [info.cn@saati.cn](mailto:info.cn@saati.cn)

**SAATI Technical Fabrics (TIANJIN) CO., LTD.**

SHENZHEN SALES OFFICE  
Rm 714-717, Floor 7, Dreamland Times Square, Hepin Road,  
Longhua Street, Boan Area, 518057 Shenzhen City, Guangdong  
Province  
Phone : (+86)755 25887940  
Fax : (+86)755 25887943  
e-mail : [info.cn@saati.cn](mailto:info.cn@saati.cn)

**—SAATI**  
weaving the future