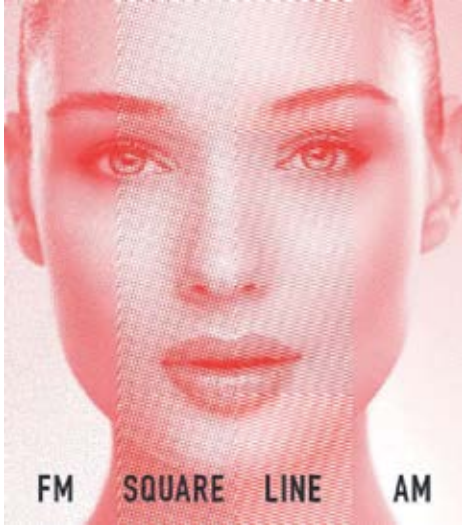


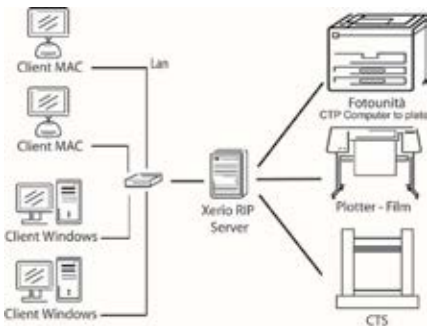
**Pre-Press Software for
Screen printing**



XerioRIP

Main features :

- High precision for high quality screening
- No Moirè effect wide range of halftones and stochastic screening
- Several outputs like Computer to Screen and Inkjet to film



XerioSEP

Main features :

- Spot color separation for complex images
- Very useful for T-shirt printing to reduce the number of inks for carousel automatic machines
- Excellent for the preparation of images for DTG printing.



**MIGHTY MESH AND
HIGH-PRECISION
GLASS LAMINATE**

Roland Drach and Matthias Meissner from SEFAR explore some of the challenges associated with screen printing on glass and look in detail at the company's glass laminate component for architectural use

Due to an increase in efficiency in industrial production and the integration of screen printing for decoration and functional elements in the overall process, high demands are placed on consumables and processing systems. As a result, the glass industry is highly dependent on failure-free screen printing stencils.

An interruption of the screen printing process due to a stencil that does not properly reproduce the intended artwork will usually interrupt the entire production process. On a fully integrated inline production, such an interruption may cause damage to the tune of thousands of euros per hour. Therefore, 100% quality control of screen printing stencils prior to the printing press release is crucial.

COMPLETE PROCESS CONTROL

In order to achieve the required reproducibility and efficiency, it is essential to continuously develop screen printing mesh with the highest precision; tensioning

systems adapted to the respective requirements; high-resolution emulsions; coating systems and digital imaging, and optimised costs.

In addition to suppliers' requirements for consumables and equipment, demands on stencil manufacturers have also increased. In order to be able to guarantee the reproducibility of the stencils, a complete process control and its documentation is essential. This includes: checking the mesh

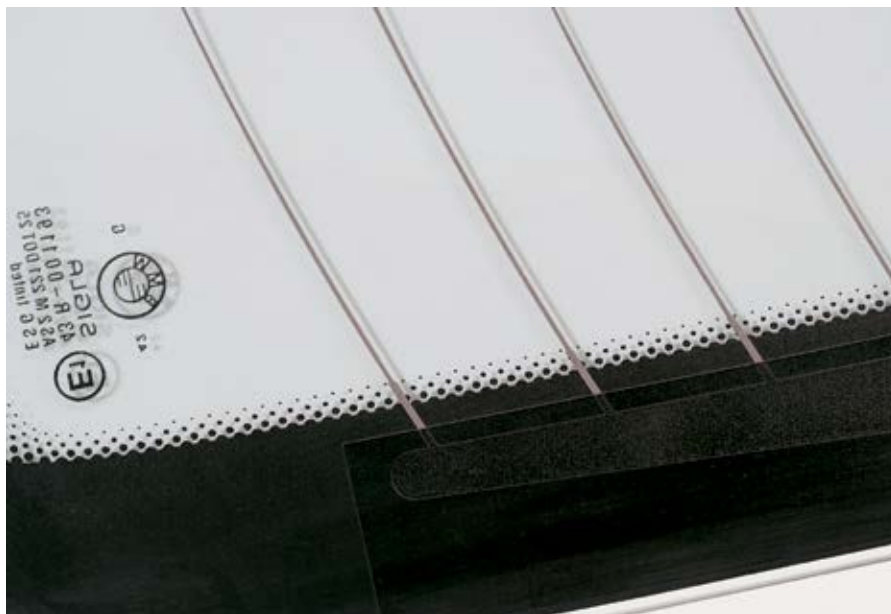
"the glass industry is highly dependent on failure-free screen printing stencils"

tension using the five-point measurement in warp and weft directions; looking for emulsion build-up of the stencil and checking for surface roughness of the stencil; motif check, and checking the correct exposure time using step exposure.

Specialising in screen printing, filtration and architectural solutions, Swiss company



SEFAR Architecture VISION can give a facade an exciting 3D appearance, whilst offering privacy and protection against bird-strikes



Screen-printed automotive rear window

"GLASSLINE offers precise mesh geometry, low elongation, high tear strength and effective stencil adhesion"

SEFAR has developed SEFAR GLASSLINE, a range of medium-weight screen printing meshes for industrial screen printing on glass. Designed specifically for the requirements of the glass industry, SEFAR GLASSLINE offers precise mesh geometry, low elongation, high tear strength and effective stencil adhesion to enable lean stencil production and flawless print quality.

ARCHITECTURAL DESIGN SOLUTIONS

Architects are continually looking for new and exciting solutions for buildings, which, in addition to pure design, must also meet today's demanding technical requirements.

Made from synthetic black monofilament yarn, metal coated, on at least one side and optionally printed, SEFAR Architecture VISION is a range of high-precision fabrics for use in glass compounds. The fabric is part of a glass laminate, covered in between two panes of glass and two interlayer foils, fully embedded and protected against environmental influences. The patent-owned technology is compatible with flat and curved glass and has architectural applications such as façades, glass fins, glass louvres, wall cladding, etc. In use for more than 12 years, SEFAR Architecture VISION has been successfully tested in accordance to ISO-, EN- and industry standards.

FUSION OF AESTHETICS AND FUNCTION

SEFAR Architecture VISION produces a unique and very attractive look to give a facade an exciting and lively 3D appearance. Coated and/or printed (any RAL/Pantone colour) on one side, the laminated glass facilitates a one-way-vision effect with a non-

disturbed view from the inside to the outside, whilst safeguarding the privacy of those indoors.

The fabric's open area determines the degree of energy transmission and transparency. In addition, the metal coating and colour is also instrumental for the reduction of energy transmission. Measurable benefits include a positive influence on the solar heat gain coefficient SHGC/g-value, glare protection, providing shadow and bird-friendly protection against bird strikes.

SEFAR owns the quality-driven product responsibility from production of the yarn, spinning, weaving, finishing, coating, (optionally) printing, (optionally) cutting to the finished product.

"A complete process control and its documentation is essential"

The glass lamination process itself is executed globally by SEFAR-certified global TOP glass processing partners.

SEFAR looks forward to welcoming visitors to its stand at glasstec 2022 in Düsseldorf; booth 12/A67. ■

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Kemafoil® KTR
TRANSFER RELEASE FILM



Big Difference

Digital and Green are the two key drivers behind **KEMAFOIL® KTR®** heat transfer films manufactured by Coveme.

The result is a complete range of products for all types of digital and screen print as well as casting processes.

Today - unique in the market - Kemafoil® is available also in the **KTR® ECO** version made of 70% recycled polyester film.

Perfect print in any circumstance, easy peel hot and cold, sustainable and environmental friendly, short: **KEMAFOIL® KTR®**.



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