

# The perfect screen

Andreas Ferndrigger presents the latest equipment developments from Grünig-Interscreen and SignTronic.

Screen printing, with all the possibilities it offers in the glass printing sector, provides a wide range of opportunities to improve market position and to be distinguishable from other printing technologies.

## Automatic coating

In the Grünig-Interscreen PLUG & COAT range, a single size machine is now available in two sizes for screen formats of up to 900mm x 1200mm. This novelty has been designed as a table-top model but when combined with the 'sub-construction' option, it can also be used as a floor-mounted, standalone unit. The upper

screen holder can be easily and rapidly adapted to cater for different screen formats. All pertinent coating parameters can be programmed by means of the control panel.

The G-COAT 406 automatic coating machine has been designed for one-sided as well as double-sided screen coating. The contact pressure, as well as the tipping motion of the coating trough, are ensured by the pneumatic system.

During glasstec 2018 exhibition, Grünig and SignTronic exhibited together with a common focus on the preparation of the perfect serigraphy screen and the attractive G-COAT 406 solution for automatic double-sided screen coating will be presented for the first time to glass printing customers.

## Automatic developing

Far too often, the process of automatic screen washing and developing them after the copying/exposure process is underestimated. Manual processes in this field lead to irregular results, which cause visible quality problems during printing.

The recently developed G-WASH 106 PLUG & WASH machine is the solution to this problem, as it automates the procedure. The developing machine is available with a standard height for screens of up to 1400mm. With regard to the width, customers can choose from four different machine widths, namely 1000mm, 1250mm, 1500mm and 1800mm.

A major advantage of this model is the closed construction method selected for the stainless steel chamber. During the washing process, water vapours are thus prevented from escaping into the environment. All the operator needs to do is open the door, insert one or several screens, close the door, select the appropriate programme and push the button to start the automatic process.

The state-of-the-art touch screen terminal has been designed to allow free programming. Several programmes are available in order to adapt the automatic processes to the various mesh types, emulsions and layer thicknesses.

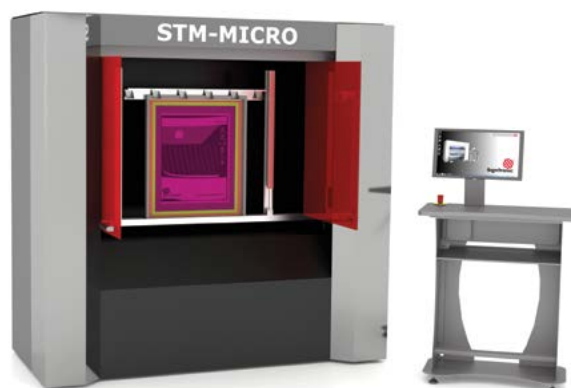
The highly reliable Grünig G-WASH 101 spray nozzles are made from stainless steel and achieve optimal results. ▶



Grünig-Interscreen's G-COAT 406 automatic coating machine.



Automatic screen washing is provided by Grünig-Interscreen's G-WASH 106 PLUG & WASH machine.



Developed especially for customers handling smaller screen and frame sizes, the STM-MICRO CTS solution will be exhibited at glasstec by SignTronic.

It goes without saying that nozzle pressure can be adjusted in front, at the back or for both sides.

These two models represent an ideal addition to the extensive Grünig portfolio, as they offer interesting solutions at an extremely fair price.

#### Focus on modular CtS concept

SignTronic will present its novelty STM-MICRO equipment, a modular solution developed in particular for customers handling smaller screen and frame sizes. The keen interest and demand that this product has encountered demonstrates the importance of offering an initial solution for CtS direct exposure technology.

The company's CtS MODULAR concept offers the possibility to combine the various available options, in order to come up with an optimal solution that fully answers the requirements of the planned application. This concept is based on the selection of various UV light sources (CPL UV lamp or UV-LED DUO), different DMD models (DMD = Digital Micromirror Device from Texas Instruments) and high quality optics from ZEISS, with various resolutions (1270 dpi, 2400 dpi or 3040 dpi).

All the customer needs to do is select a StencilMaster model from the wide range of CtS products offered by SignTronic and define the light

source and optics required to create a customised CtS solution for a particular set of needs. ●

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