

The new G-PROOF 390 inspection and packaging machine from Grünig.



# Start to finish professionalism for perfect screens

Professional final inspection and measurement data logging of screens for printing on glass can be achieved with Grünig’s inspection and packaging machine, writes Sandra Woerle.

Topics such as quality and ISO processes are becoming more and more important in today’s world, and the world of screen printing is no exception here. The increasing demands also require higher professionalism in the last step of the manufacturing process, i.e. the handling and shipping of the perfect screen. This screen must be checked and measured in many different ways, and today more than ever, the measurement data must be documented and digitised. Packaging is the last step at the end of the process and, apart from offering adequate protection during transportation, it is also the business card of the screen-printing service supplier.

Grünig-Interscreen AG, a Swiss company based in Schwarzenburg near Bern, Switzerland, has determined to simplify the last important step – not only for screen printing service suppliers but also for direct users.

### Advantages

Whereas in the past at least two people were needed to handle large screens, Grünig’s G-PROOF inspection and packaging machine now enables one single person check and inspect large-size screens – and this at a time when cost savings and shortage of staff are topics of increasing importance.

Integrated screen height measurement enables the operator to position the screen with minimum effort. Precise turning and lifting, which is controlled on the display screen, allows the screen to be checked

in an ergonomic working position. Should there be a lack of lighting, the G-PROOF can be expanded by an illuminated LED wall.

Since digitisation and measurement data logging are



Calculating coating thickness with the Elcometer.



Checking and inspecting with the microscope.

becoming increasingly important, measuring devices such as the Tensocheck100 or similar equipment, microscopes and also measuring instruments for the layer thickness can be connected to the G-PROOF, which has also been designed for connection to Bluetooth-enabled devices. The logging procedure is carried out automatically and all the important data is stored directly so that it can be accessed immediately whenever the need arises.

#### Packaging

Probably the most difficult step in the final inspection stage – especially when it comes to very large screens, the packaging step is also simplified by the G-PROOF. Thanks to its rotating longitudinal axis, the screens can be easily shrink-wrapped and packaged. This guarantees that screens are efficiently protected against pollution and contamination and that they are optimally prepared for shipping or storage.

Inspecting, measuring and packaging of printing screens has never been easier. ●



Measuring of the mesh tension with the Tensocheck100 from SEFAR.

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