

product solution

# Grünig G-COAT 414 Coating Machine

The G-COAT 414 is a newly developed automatic coating machine designed to be flexible and economical. It features a light yet solid design and a simple operating concept.

The G-COAT 414 is available in a range of sizes, supporting screens from 47" H x 39" W (1200 x 1000 mm) to 79" H x 79" W (2000 x 2000 mm). In smaller sizes, it is available as a "Plug & Coat" system—simply unpack, setup, and start coating.

Coating is possible from one side or both sides simultaneously using the included G-COAT 401 coating trough. All coating parameters can be quickly and easily programmed through the control panel, including the pneumatically controlled contact pressure and forward-tipping motion of the coating trough. The coating process itself is extremely smooth and nearly silent, thanks to special sliding guides and a toothed belt drive unit.

The G-COAT 414 is ergonomically well-designed, with three integrated foot pedals for controlling the screen tie-bar and pneumatic stretchers, and an individually adjustable screen support that brings even small screens up to a comfortable height.



## FEATURES

- Screen holders are designed to handle frame profile thicknesses between 0.8" and 1.6" (20 - 40 mm)
- Advanced automation technology and tight tolerances enable a high degree of reproducibility
- An integrated measuring system detects frame profile height and precisely controls coating positions
- Coating parameters, including programmable settings, are controlled via a touchscreen interface

## PRODUCT OPTIONS

### Option MD

"Maintenance Diagnostic" feature enables error analysis and remote maintenance assistance by Grünig

### Option Z

Additional screen supports for simultaneous coating of two screens

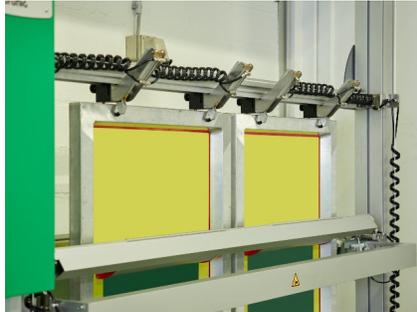
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## PRODUCT IMAGES



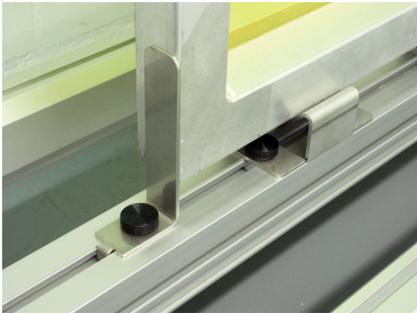
Touchscreen Interface



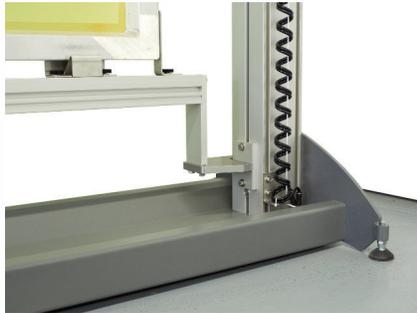
Simultaneous Coating of Two Screens (Option Z)



Pneumatically Controlled Coating Carriage



Screen Holder and Lateral Stop



Screen Support with Height Adjustment



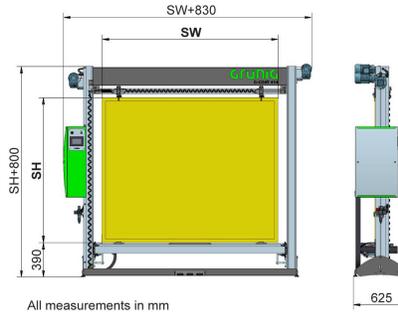
Foot Pedal Controls for Screen Tie-Bar and Stretchers

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State-of-the-art SPS Controller



Grünig G-COAT 414 Coating Machine  
Schematic