

G-COAT 414 – the economical and flexible coating machine for screen sizes of up to 2 x 2 meters



G-COAT 414

Grünig-SignTronic AG
CH-3150 Schwarzenburg

+41 31 734 26 00
info@grunig-signtronic.com
www.grunig-signtronic.com

Grünig
SignTronic

G-COAT 414

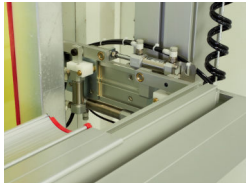
Automatic coating machine



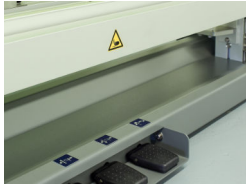
Touch-Screen Terminal



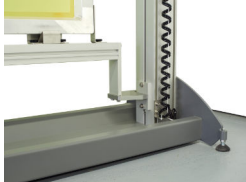
State-of-the art SPS control



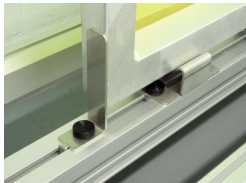
Pneumatically controlled coating carriage



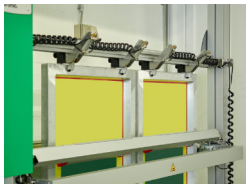
Foot pedal operation of the tie-bar and screen holder



Screen support with height adjustment



Screen holder and lateral stop piece



Simultaneous coating of two screens (Option Z)



EC Conformity
The product answers the requirements of the EU Machinery Directive.

The main features at a glance

- Available for screen sizes between 1000 x 1200 mm and 2000 x 2000 mm.
- For smaller sizes: available as a PLUG & COAT system: unwrap – set up – coat
- Solid lightweight construction
- Uncomplicated operating concept
- Input of the coating parameters via Touch-Screen Terminal
- Freely programmable number of programs
- State-of-the art SPS control and continuously variable drives
- Compatibility with Industry 4.0 standard, data exchange by means of OPC-UA architecture
- Thanks to the individually controlled coating troughs, the screens can be coated on the squeegee; on the print, or simultaneously on both sides.
- High degree of reproducibility of the coating results
- Integrated measuring system for the detection of the frame profile height; control of the coating positions
- Due to the adjustable frame profile height, an optimal utilization of the coating surface is possible
- The contact pressure and the forward-tipping motion of the coating trough are pneumatically controlled.
- Extremely silent operation of the coating carriage thanks to the use of sliding guides and toothed belt transmission.
- Uncomplicated adaptation to the screen format thanks to the motor-driven screen tie-bar.
- Three integrated foot pedals for controlling the screen tie-bar and pneumatic screen frame holder
- The height of the screen support can be individually adjusted in order to guarantee ergonomic working even when handling small screens.
- The screen holders are designed to handle frame profile thicknesses between 20 and 40 mm.

Option MD

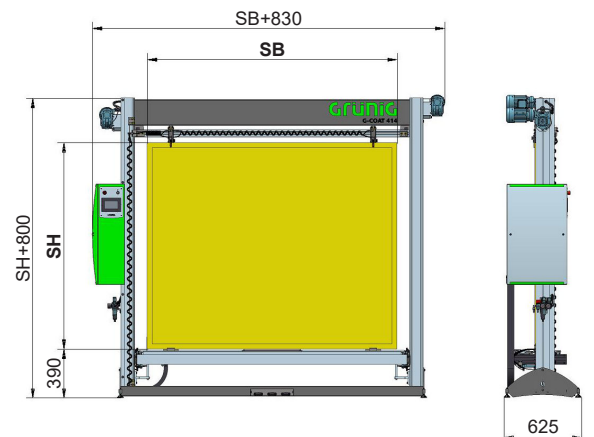
- The Option „Maintenance Diagnostic“ allows error analyses and remote maintenance assistance by the Grünig support team.

Option Z

- Additional screen supports for simultaneous coating of two screens



Screen format	Frame width (SB)	1000 - 2000 mm
	Frame height (SH)	1200 - 2000 mm
	Frame profile height	30 - 200 mm
	Frame profile thickness	20 - 40 mm
Dimensions	Width	SB + 830 mm
	Height	SH + 800 mm
	Depth	625 mm
Connections	Electric	230 V / 50 Hz (L+N+PE) 110 V / 60 Hz (L+N+PE)
	Compressed air	1/4" / 6 bar / 10 l/min
	IT-Network	Ethernet / RJ45
	Continuous sound pressure level	<70 dB (A)



All the measures are specified in mm
Technical changes are reserved