

Automated screen preparation with highest flexibility and the latest UV gluing technology



**G-STRETCH 281
UV-BOND LED**



Grünig-SignTronic AG
CH-3150 Schwarzenburg

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

Grünig
SignTronic

G-STRETCH 281 UV-BOND LED

Largesurface stretching and gluing machine



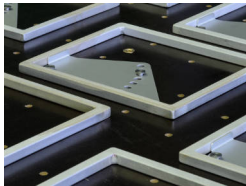
Touch-Screen IPC



Insertion of the mesh from the roll



Weight carrier



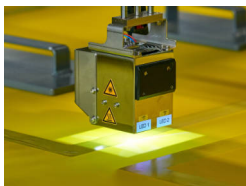
Screen supporting table and angular stop piece



Program-controlled stretching of the mesh



Gluings of the mesh



UV curing of the adhesive



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

The main features at a glance

- Large-surface stretching machine with UV gluing system
- Automatic stretching, gluing and curing processes
- The state-of-the-art design of the user interface allows a simple and clear operation of the machine
- All the process parameters are freely programmable
- Insertion of the mesh directly from the roll
- High degree of productivity and optimized handling with reduced mesh consumption
- Maximum flexibility with regard to the screen sizes to be processed
- Possibility of processing of several screens, even of different sizes and angularities, within the scope of the same stretching process
- Cost reduction based on process optimization
- Due to the high degree of automation, the quality always remains consistently high
- The electronic tensometer G-CHECK 3 measures the mesh tension and controls the automatic stretching process
- Electromechanically driven stretching beams on four sides guarantee optimum stretching precision and true alignment with the thread
- Due to the fact that the DUPLEX stretching clamps run on high-precision stainless steel guides, they are in a position to compensate the mesh extension caused by the stretching process
- Rugged construction designed for longevity
- INDUSTRIE 4.0 READY (prepared for connection to G-GATEWAY)

- Automatic application of the glue by means of a system of Cartesian coordinates
- Modern and powerful UV – LED technology for rapid glue curing
- Freely programmable gluing contour
- High degree of productivity thanks to short curing times
- Easy to maintain gluing system

Option GT

- Weight carrier for positioning the supporting weights

Option MD

- The option „Maintenance Diagnostic“ facilitates immediate error analysis and support via remote maintenance supplied by the Grünig support team.

Option RT

- Screen supporting table with 100mm hole grid
- Table width according to customers' requirements

Option W...

- Angular stop pieces for frame positioning and alignment
- The grid stop is 7.5°
- **W10** = Angular stop piece 175 x 85 mm, 0° up to 22.5°
- **W11** = Angular stop piece 175 x 135 mm, 0° up to 45°
- **W12** = Angular stop piece 235 x 135 mm, 0° up to 45°
- **W13** = Angular stop piece 320 x 235 mm, 0° up to 45°

UV-BOND LED

- The optimum harmonization between the gluing system and the stretching device guarantees efficient and ergonomic working procedures



Screen format	Stretching width (SB)	1500 or 2000 mm
	Stretching length (SL)	2000 or 4000 mm
Dimensions	Frame profile height	N/A
	Frame profile thickness	20 - 60 mm
	Width	SB + 1330 mm
	Height	2615 mm
Connections	Length	SL + 1395 mm
	Electric	3 x 400 V / 50 Hz (3L+N+PE) 3 x 220 V / 60 Hz (3L+PE)
	Compressed air	1/4" / 6 bar / 10 l/min
Continuous sound pressure level	IT-Network	Ethernet / RJ45
		<70 dB (A)

All the measures are specified in mm
Technical changes are reserved

