

Highly flexible screen production thanks to the automated stretching and gluing procedures, based on the latest adhesive and UV-LED technique



G-STRETCH 270

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G-STRETCH 270 UV-BOND LED

Automatic stretching and gluing system



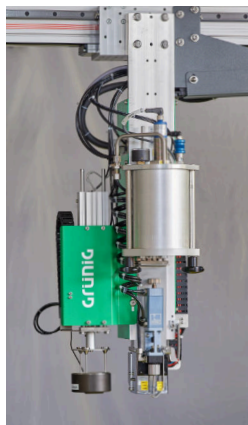
Touch-Screen Terminal



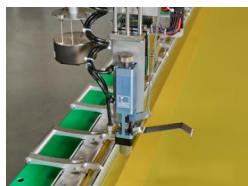
Uncomplicated size adjustment



DUPLEX clamp



UV adhesive head with G-CHECK 3



Glue nozzle



UV-LED glue curing



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

Particular characteristics

- Operation via a Touch-Screen terminal with IPC
- The modern design of the user surface guarantees an uncomplicated and clearly structured operation of the machine.
- Unlimited number of stretching and gluing program
- Efficient work procedures guaranteeing highest reproducibility
- Excellent flexibility: the device is in a position to accommodate different screen frame sizes
- The high degree of automation guarantees a consistently high quality
- Considerable cost reduction thanks to optimized processes
- Rugged and durable construction

Stretching machine

- Within a few seconds, the stretching device can be continuously readjusted from the largest to the smallest possible screen size.
- No contact between the mesh and the frame during the stretching process.
- During mesh stretching, the screen frame is pre-stressed with the same counter-stretching force.
- In cases where the screen frame pre-stressing is not desired, this feature can be disabled by means of 4 fixing screws.
- Electromechanical stretching beams ensure stretching in true alignment with the thread as well as a maximum stretching precision
- Continuously adjustable stretching speed
- The mesh is automatically stretched in weft and warp directions.
- Basic version with 2 active and 2 passive stretching beams
- The DUPLEX stretching clamps are equipped with concave ball bearings running on high-precision guide shafts made of stainless steel.
- During the stretching process, the stretching clamps are capable of shifting sideways in order to compensate the mesh extension.
- The width of a stretching clamp is 250 mm

UV-BOND LED Gluing system

- Gluing system UV BOND LED for a fully automatic gluing of the frame and the mesh.
- Automatic glue application with subsequent UV curing
- Freely programmable glue contour
- Low-maintenance glue system
- High degree of productivity thanks to short curing times
- Due to the fact that solvent-free glues are used, there is no pollution of the ambient air
- Modern and powerful UV-LED technique for a speedy glue curing
- An optimum coordination between the glue system and the stretching device ensures efficient and ergonomic work processes.

Option EK

- Thanks to the corner clamps, the mesh can be pre-stressed in the corner areas. This avoids an undesirable distortion (pillow effect) of the mesh.

Option EP1

- Program-controlled regulation of the frame contact pressure

Option G

- The electronic G-CHECK 3 mesh tension measuring device automatically measures the tension in weft and warp directions.
- Due to the fact that the measuring system is integrated in the gluing head, the measuring position can be freely selected on the mesh surface and memorized in the stretching program.

Option S4

- Stretching beams active from four sides

Option W

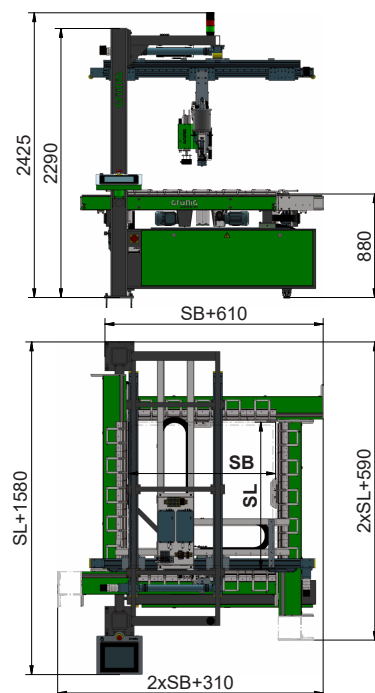
- Angular supporting table allowing a simultaneous treatment of several screen frames.
- Standard mesh angle: 0°, 7.5°, 15° and 22.5°

Option Z1

- Additional screen support

Option Z2

- Support tie-bar for a simultaneous covering and pre-stressing of two screens.



Screen format	Frame width (SB)	1250 - 2000 mm
	Frame length (SL)	1250 - 2000 mm
	Frame profile height	20 - 70 mm
Dimensions	Width	2xSB+310 mm
	Length	2xSL+590 mm
	Height	2425 mm
	Travel distance per clamp	100 mm
Connections	Electric	230 V / 50 Hz (L+N+PE)
		220 V / 60 Hz (2L+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