



Treatment of open polyester and steel meshes



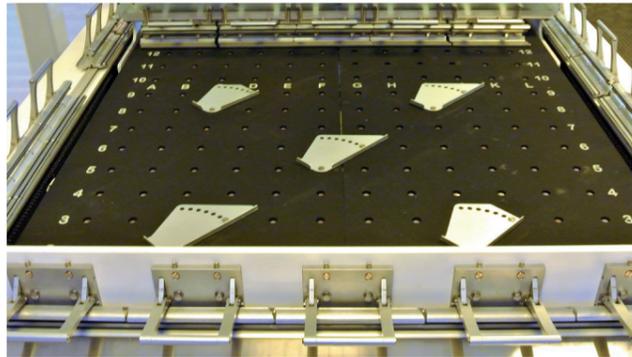
Treatment of pre-coated meshes (PCF)



A state-of-the-art user surface facilitates programming the machine



Multi-functional gluing head: measuring, gluing and curing



Supporting table with perforated grid and freely positioned angular stop pieces



G-STRETCH 275 UV BOND LED: Efficient screen manufacturing in top quality

The G-STRETCH 275 allows stretching the mesh directly from the roll and fixing it by means of the latest UV-LED technique



G-STRETCH 275



The installation complies with the EU machine directives (EC conformity)

Technical changes are reserved
November 17

All measures in mm

GRÜNIG

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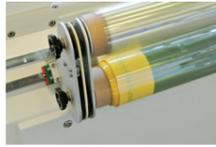
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G-STRETCH 275

Stretching machine



Control panel A1



Foil rolling device



DUPLEX stretching clamps



Supporting table

Particular characteristics

- Mesh stretching directly from the reel
- Automatic foil rolling device for pre-coated meshes
- Electro-mechanical stretching beams guarantee optimum thread straightness and stretching precision.
- Perforated grid and freely positioned angular stop pieces facilitate a precise insertion and angulation of several screen frames.
- A supporting table with maximum lowering distance allows a prior application of the glue, while preventing mesh contact during the stretching process.
- High degree of productivity and optimum ease of handling, with a reduced mesh consumption.
- Ideal for simultaneous treatment of several screen frames.
- Infinitely variable stretching speed
- 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 any mesh extension.
- The width of a stretching clamp measures 250 mm.
- Rugged and long-lasting construction

Execution A1

- Uncomplicated manual operation

Execution A2

- Operation via a Touch-Screen Terminal
- 100 Automatic programs with relative path measurement allow standardizing the stretching process, to be completed by a subsequent manual fine-tuning correction.
- Simple Teach-In programming

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 MD

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

Option R1

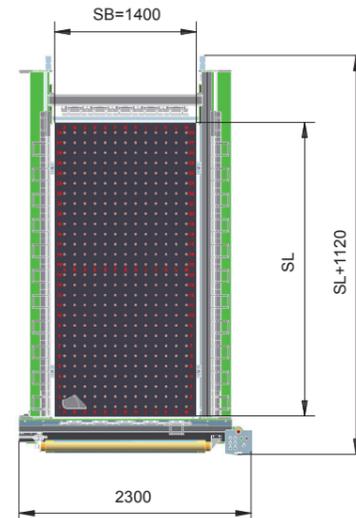
- Reel holder for pre-coated meshes with automatic foil rolling device

Option R2

- Reel holder for standard meshes

Option W

- The angular stop piece enables the user to adjust various angulations of the screen frames, in an uncomplicated manner.



Mesh format	Mesh width	mm	1580
	Table width (SB)	mm	1400
	Table length (SL)	mm	1900 + 2900
	Frame profile thickness	mm	20-300
Dimensions	Width	mm	2300
	Length	mm	SL+1120
	Height	mm	1050
Power supply	Voltage	V	1x230+N+PE 2x220+PE
	Frequency	Hz	50/60
Permanent sound pressure level		dB (A)	<70

G-STRETCH 275 UV BOND LED

Stretching and gluing system



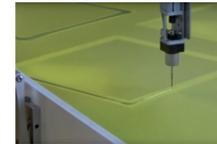
Touch-Screen Terminal A3



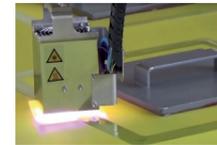
Gluing head



G-CHECK 3



Glue application



Glue curing

Particular characteristics

Designed on the basis of the G-STRETCH 275, the UV BOND LED gluing system offers an extended range of interesting possibilities:

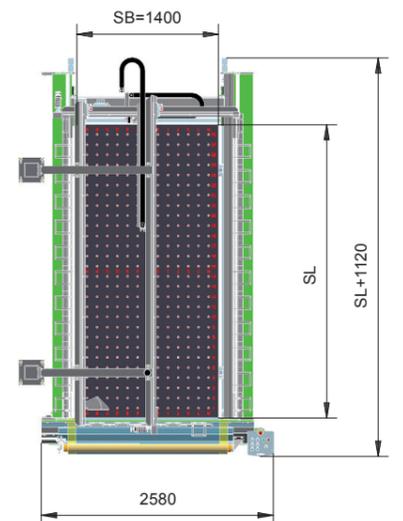
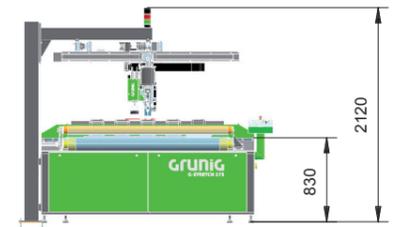
- Automatic glue application with subsequent UV curing
- The modern design of the user surface guarantees an uncomplicated and clearly structured operation of the machine
- Freely programmable glue contour
- The glue contour can be adapted to any desired thread angle
- Low-maintenance glue system
- High 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
- Excellent flexibility: the device is in a position to accommodate different screen frame sizes
- Simultaneous treatment of several screen frames with one mesh tension
- The high degree of automation guarantees a consistently high quality
- Considerable cost reduction thanks to optimized processes
- Low space requirement
- Rugged and durable construction

Version A3

- Operation via a Touch-Screen terminal with IPC
- Gluing system UV BOND LED for a fully automatic gluing of the frame and the mesh
- Unlimited number of stretching and gluing programs

Option G3 (condition for version A3)

- The newly developed 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.



Mesh format	Mesh width	mm	1580
	Table width (SB)	mm	1400
	Table length (SL)	mm	1900 + 2900
	Frame profile thickness	mm	20-300
Dimensions	Width	mm	2580
	Length	mm	SL+1120
	Height	mm	2120
Power supply	Voltage	V	1x230+N+PE 2x220+PE
	Frequency	Hz	50/60
Pneumatic supply	Pressure	Bar	6
	Consumption	L/min	10
Permanent sound pressure level		dB (A)	<70