

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



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

All the measures are specified in mm
Technical changes are reserved

Grünig-SignTronic AG
CH-3150 Schwarzenburg
+41 31 734 26 00
info@grunig-signtronic.com
www.grunig-signtronic.com



G-STRETCH 275

Stretching machine



Control panel A1



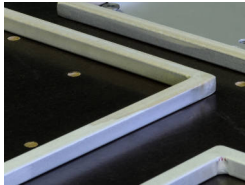
Foil rolling device



Reel holder for standard mesh



DUPLEX stretching clamps



Supporting table with angle stop

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 distorsion (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

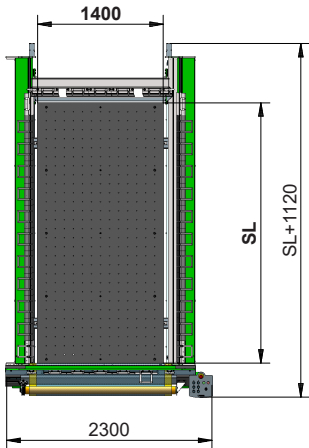
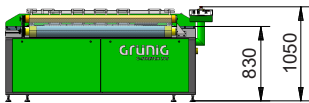
Option R2

- 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.

Format	Table width	1400 mm
	Table lenght (SL)	1900 or 2900 mm
	Frame profile height	20 - 300 mm
Dimensions	Fabric roll width	1580 mm
	Width	2300 mm
	Length	SL + 1120 mm
	Height	1050 mm
Connections	Electric	230 V / 50 Hz (L+N+PE) 220 V / 60 Hz (2L+PE)
	IT-Network	Ethernet / RJ45
Continuous sound pressure level		<70 dB (A)



G-STRETCH 275 UV BOND LED

Stretching and gluing system

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

- The newly developed electronic G-CHECK 3mesh 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.



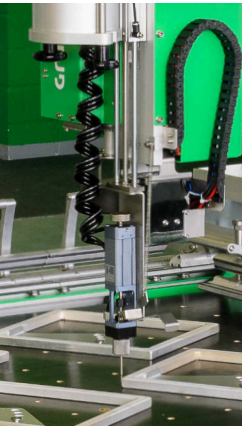
Touch-Screen Terminal A3



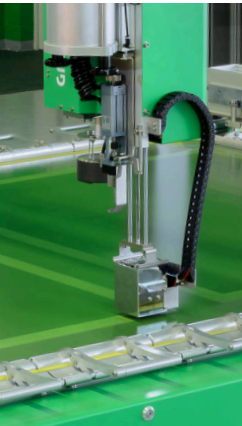
Multifunctional gluing head



Mesh tension measurement
G-CHECK 3



Glue application



Glue curing

Format	Table width	1400 mm
	Table lenght (SL)	1900 or 2900 mm
	Frame profile height	20 - 300 mm
Dimensions	Fabric roll width	1580 mm
	Width	2580 mm
	Length	SL + 1120 mm
	Height	2120 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)

