

The G-STRETCH 281 ADVANCED,  
designed for rapid and flexible stretching,  
enables you to reduce mesh consumption  
and get a grip on the operating expenses



**G-STRETCH 281A**

**Grünig**

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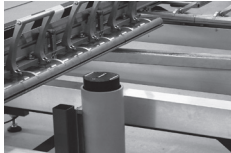
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# G-STRETCH 281 ADVANCED

## Large-surface stretching machine XL



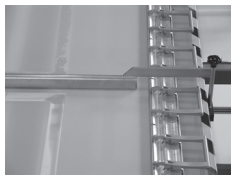
Touch-Screen Terminal



G-CHECK 2



Option F



Option N



DUPLEX stretching clamp

### Particular characteristics

- Increases the degree of productivity while reducing the mesh consumption. Mesh savings of up to 10% are possible.
- Ideal for stretching large formats or for the simultaneous treatment of several smaller screen formats (multiple utility factor).
- Optimal handling and highest possible stretching precision.
- Thanks to the automatic stretching mechanism, the stretching processes can be freely programmed according to the actual needs. Up to 50 programs can be individually adapted to the mesh particularities and to the customer's present requirements.
- Thanks to the additional stretching beam in front, the mesh can be stretched from all four sides.
- Uncomplicated operation via a Touch-Screen Terminal.
- During the program sequence, the actual readings are continuously displayed for the weft and warp directions (N/cm).
- No contact between the mesh and the frame during the stretching process. As soon as the mesh has reached the final stretching value, the table is lifted and the frames approach the mesh from below.
- Continuously adjustable stretching speeds.
- The mesh can be stretched from four sides.
- The DUPLEX stretching clamps are equipped with concave ball-bearings running in high-precision guide shafts made of stainless steel. During the stretching process, the stretching clamps are capable of moving sideways in order to compensate a possible mesh extension.
- The width of a stretching clamp is 250 mm.
- Rugged and long-lasting construction made of special steel and aluminum profiles.

### Option F

- Wireless remote control for all the functions.

### Option G1

- The electronic tension measuring device G-CHECK 2 developed by Grünig automatically measures the mesh tension in weft and warp direction, from the lower mesh side.

### Option G2

- Identical to G1, but in addition with a pneumatic lowering feature.

### Option H

- The High Tension option allows reaching higher stretching values for larger machines (SB 3000 or more)

### Option MD

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

### Option N

- The mesh holding-down device ensures that the mesh is in perfect contact with the screen frame, so that it can be faultlessly glued.

### Option R

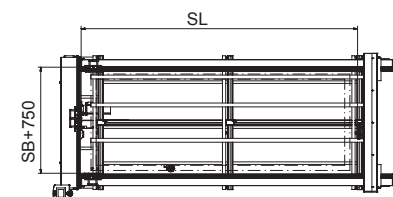
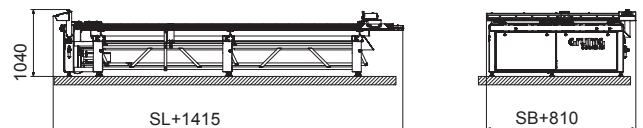
- The mesh reel holder facilitates the handling and insertion of the mesh.

### Option W

- The angular stop piece allows an uncomplicated adjustment of various screen angles.



|                                |                                    |                   |                              |
|--------------------------------|------------------------------------|-------------------|------------------------------|
| Mesh format                    | SB stretching width                | mm                | 1500 - 4000                  |
|                                | SL stretching length               | mm                | 2000 - 10000                 |
|                                | Frame profile thickness            | mm                | 30 - 120                     |
| Dimensions                     | Width                              | mm                | SB + 810"                    |
|                                | Length                             | mm                | SL + 1415                    |
|                                | Height                             | mm                | 1040                         |
| P power supply                 | Voltage                            | V                 | 1x230 + N + PE<br>2x220 + PE |
|                                | Frequency                          | Hz                | 50/60                        |
| Compressed air                 | only required for options G1 or G2 |                   |                              |
|                                | Pressure                           | Bar               | 6                            |
|                                | Air consumption                    | m <sup>3</sup> /h | 0,6                          |
| Permanent sound pressure level |                                    | dB (A)            |                              |



The installation is in compliance with the EU machinery directives (EC conformity)

Technical changes are reserved

November 14

All measures in mm