



# Harlachner H29-6

**S**pecially designed to stretch large or multiple screens simultaneously, efficiently and professionally. This top of the line machine is the benchmark in automated tensioning.

Apart from being able to process all possible type of mesh, this hi-tech machine provides extremely precise and repeatable results with the advantage of effortless handling and logical programming.

Twenty tensioning programs for setting tensioning speed, time, pauses as well as relaxation time can be programmed individually. Programs can be created, stored and retrieved to ensure identical tensioning, even over long periods of time.

Adjusting the H29-6 to accommodate diverse frame sizes is quick and very easy. Frames can be tensioned parallel or at an angle to produce perfect results suited to individual customer needs. Sizes with a tensioning area from 59" x 59" up to 165" x 354" are available.

The programs held within the PLC are user-definable, and completely repeatable, ensuring consistent screens day in and day out. With a touch of a button, the stretcher performs the tasks of stretching and relaxing, leaving the operator free to complete other tasks thereby increasing productivity.

### TECHNICAL INFORMATION

- Tensioning area of 23.5" x 23.5" up to 165" x 354" maximum outside frame size approximately 4 – 8% smaller than tensioning area
- Max. frame height 3.1"
- Max. mesh tension 35 N/cm
- Optical and acoustic signalization of next step in process
- Manual tensioning possible
- Electronic tension meter attached to a pneumatic arm for control during tensioning on the X – and Y axis
- Frame supports with electronic frame lift up to the mesh allows angled tensioning as well as tensioning several frames simultaneously
- Motorized size adaptation from minimum to maximum frame size
- Tensioning rail on all four sides
- Movable clamps placed on a linear guide ensure optimal equalization of mesh tension in all directions
- Complies to the present CE requirements controls
- Programmable control unit with the ability to save up to 20 programs, LCD display, foil key board as operating interface
- Switch for tensioning; relaxing in the weft direction





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- Switch for tensioning; relaxing in the warp direction
- Switch for frames up/down
- Two speed ranges for all functions
- Continuously adjustable speed regulation from control unit, independent of the speed range
- Covered main switch
- Emergency stop switch

### OPTIONS

- Special edition for reaching tensions up to 50 N/cm
- Remote control for manual tensioning functions
- Pedal for manual tensioning functions, weft direction
- Printing of tensioning parameters
- Clamps, type 6M, 100 or 250 mm
- Clamps, type 6M/2, doubled lengths – operated with one handle
- Holding down bars for pressing up the mesh in between frames when tensioning several frames in one process
- Various other electric connections
- Integrated frame pre-bowing unit Harlacher H18

### NOISE

- Maximum 68 dB

### CONNECTIONS

- Electric connections 1 x 230V + N + PE 50/60 Hz or 3 x 400V+N+PE 50/60 Hz
- Installed power 2.5 kW
- Compressed air connection 6-8 bar, oil and water free, air – maximum 5 l/min

### INSTALLATION

- Installation performed by a Harlacher technician

### MEASUREMENTS

- Length: max. tensioning area length + 55.5"
- Width: max. tensioning area width + 43.5"
- Height: working height 33.5", total height 39.5"

A gap of 27.5" should be left on each side of the machine for placing the mesh into the machine. Enough space to place a frame into the machine needs to be left open on one side of the machine, enough to handle the largest frame size.

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<b>Width</b>	max. tensioning area width + 43.5"
<b>Height</b>	working height 33.5", total height 39.5" [tension meter arm 98.5"]

Close-up of control panel



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