

# H28-6 Harlacher Tensioning Machine

The Harlacher H28-6 is specially constructed to produce large or multiple screens in one stretching process. All types of mesh can be processed to produce screens with an accurate and uniform tension. The quality results exceed the highest needs in all industries, even the extremely precise demands of the electronic industry.

It is possible to reach an equal and uniform tension over the entire mesh surface. This is created by tensioning on all four sides with clamps placed on a special linear guide, that are able to give way slightly.

All functions on this machine are driven by electric motors which can be switched to an accelerated mode for coarse adjustment to several frame sizes. Frames can be mounted parallel or at any angle to the warp and weft direction of the mesh.

Sizes with a tension area from 59" x 59" up to 165" x 354" are available. The stretching H28 stretcher has been upgraded. Even more precise tensioning results can be obtained thanks to the new clamps placed on a linear guide. The H28-6 enables you to obtain precise results for one or multiple frames at any angle, easily and effectively.

## Features

- Tensioning area of 23.5" x 23.5" to 165" x 354" maximum outside frame size approximately 4-8% smaller than tensioning area
- Maximum frame height 3.1"
- Maximum mesh tension 35 N/cm
- Frame support with electro-mechanic liftup 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 guiding rail ensure optimal equalization of mesh tension in all directions
- Clamps type 6M, 150 mm/right angle
- Clamps type 6M, 150 mm
- The machine complies to the present CE requirements

## Controls

- Electronic control unit
- Switch for tensioning relaxing in the warp direction
- Switch for tensioning/relaxing in the weft direction
- Switch for frame up/down
- Two speed ranges for all function
- Continuously adjustable speed regulation from control unit, independent of 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
- Integrated frame pre stretch device
- Clamps type 6M, 100 or 250 mm
- Clamps type 6M/2, doubled lengths – operated with one handle
- Holding down bars for pressing the mesh down in between frames when tensioning several frames in one process
- Various other electric connections

## 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

## Measurements

- Length: max. tensioning area length +55.5"
- Width: max. tensioning area width +43.5"
- Height: working height 33.5", total height 39"

