



# Harlacher H35-1

**T**he pneumatic tensioning unit, HARLACHER H35-1 combines the advantages of pneumatic and mechanic tensioning. Designed for precise and repeatable tensioning, the H35-1 meets the highest quality requirements in stencil processing.

The excellent price/performance ratio, simple controlling and individually adaptable applications add up to an outstanding tensioning unit. The H35-1 is suited to all types of mesh.

Both the control unit and options can be selected based on individual needs, thereby creating an optimal tensioning unit.

### TECHNICAL INFORMATION

- Frame formats up to 3000 x 3000 mm
- Minimum frame size 500 x 500 mm (excl. lay in plate/mother frame)
- Frame profile 10 - 60 mm
- Frame support adjustable to frame profiles of 10 to 60 mm
- Clamps widths of 150 mm and 250 mm can be interchanged for the optimal combination to suit any frame size
- Stroke 100 mm or 150 mm
- Maximum mesh tension 50 Newton
- Color: stainless steel, aluminum, Harlacher blue (RAL 5017)
- Complies to CE specifications

### TECHNICAL VARIATIONS A, B & C

- A]** Tensioning forces are absorbed by the frame, thereby pre-bowing the frame, the mesh is pulled carefully over the frame (standard version)
- B]** Tensioning forces are absorbed by the tensioning unit, the frame is pressed up against the mesh pneumatically, pressure in the screen supports is continuously adjustable, no pre-bowing of the frame
- C]** Tensioning forces are absorbed by the frame, thereby pre-bowing the frame, frame is pressed up against the mesh pneumatically, pressure in the screen support is continuously adjustable

### CONTROL UNIT

- *1 circuit - manual:* for frame sizes up to approx. 1500 x 1500 mm
- *2 circuit - manual:* for frame sizes up to approx. 3000 x 3000 mm
- *1 circuit - electronic:* with 20 tensioning programs which can be saved, for frame size of up to approx. 1500 x 1500 mm
- *2 circuit - electronic:* with 20 tensioning programs that can be saved, for frame sizes up to approx. 3000 x 3000 mm





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## CONNECTIONS

- Electric connection (only with electronic control unit): 1 x 230V + N + PE, 50/60 Hz or 3 x 230V + PE, 50/60 Hz or 3 x 400V + N + PE 50/60 Hz
- Compressed air connection: 6-8 bar, oil and water free, air-max. 50l/min
- Air consumption max. 50l/min; recommended compressed air tank contents: min 50 Litre (for 16 clamps)

## INSTALLATION

The H35-1 is delivered disassembled. The components of the basic unit can be put together easily. Thereafter the clamps (which are delivered fully assembled) can be slid onto the unit. Next the clamps are to be connected to each other and then to the control unit.

Read through the operating manual carefully and familiarize yourself with the safety requirements!

## EXTRA'S

- Tensiometer, mechanic 7-50 N/cm
- Tensiometer, electronic 7-75 N/cm
- Glue "ULTRAFIX"(2 components)

## MEASUREMENTS

- Working height 800 mm
- Min. length: max. frame length + 600 mm
- Max. length: max. frame length x 2
- Min. width : max. frame width + 600 mm
- Max. width: max. frame width x 2

## OPTIONS

- Connecting valve so that the control unit can be used at more than one tensioning table. When using the same program, simultaneous tensioning is possible
- Lay in plate for angled or simultaneous tensioning in one process
- Other electric connections : - electronic control unit with a protocol printer. Prints the results of the tensioning process (excel spread sheet)

## NOISE

- No noticeable noise development



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