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# SM 3TVH

MANUAL WELDING MACHINES




Automatic in-line 3-head welding machine for right angle corners and also corners in the range 30° to 180°, T, H and cross welding. SM 3 TVH comes in 2 working lengths (3.440 and 4.440 mm) and offers the possibility of welding up to 2 frames simultaneously with 1 or more heads. SM 3 TVH is provided with heated welding bead restrictors adjustable in the configuration phase, in a range from 0.5 to 2 mm; it also has vertical vices running on linear slideways. Depth of fusion can be set at 2.5 or 3 mm while the support arms feature adjustable height. SM 3 TVH can be fitted with counterblocks (optional) and can handle all types of standard profiles (including acrylic and coated) as well as large profiles (solid profiles). The machine, provided with a quick change system, allows easy cleaning of the teflon film. The work cycle is controlled by a PLC while the heating plate has a digital temperature controller (settable in both °C and °F); the heating time can be set via the LCD display.

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The right to make technical alterations is reserved.

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## **SM 3TVH** / MANUAL WELDING MACHINES

### MACHINE SPECIFICATIONS

| | |
|---|---|
| Maximum welding size (long / short version) (mm) | 4.440 / 3.440 |
| Minimum dimensions of the frame (length x height) (mm) | 300 x 270 |
| Maximum profile width – welding at 90° (mm) | 130 |
| Maximum profile height (mm) | 160 |
| Minimum profile height (mm) | 40 |
| Automatic distancing at the end of the welding | ● |
| Welding bead (presettable during the configuration phase) (mm) | 0,5 ÷ 2 |
| Heated welding bead restrictors | ● |
| Welding temperature control (°C) | 0 ÷ 260 |
| Bead temperature control (°C) | 0 ÷ 50 |
| Melting time setting | ● |
| Welding time setting | ● |
| Rotating heads | 1, 2, 3 |
| Heads rotation angle | 90° |

### OVERALL DIMENSIONS AND POWER

| | |
|---|---|
| Width (with profile support arms fully retracted) (mm) | 1.960 |
| Width (with profile support arms fully extended) (mm) | 2.460 |
| Length (long / short version) (mm) | 4.920 / 3.920 |
| Height (mm) | 2.100 |
| Weight (long / short version) (kg) | 1.550 / 1.450 |
| Installed power (kW) | 8 |

Included ● Available ○

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