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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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