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SM 4TVH

MANUAL WELDING MACHINES



Automatic in-line 4-head welding machine for right angle corners and also corners in the range 30° to 180°, T, H and cross welding. SM 4 TVH comes in 3 working lengths (3.440, 4.440 and 5.440 mm) and offers the possibility of welding up to 3 frames simultaneously with 1 or more heads. SM 4 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 4 TVH can be fi tted 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 4TVH / MANUAL WELDING MACHINES

MACHINE SPECIFICATIONS

Maximum welding size (long / medium / short version) (mm)	5.440 / 4.440 / 3.440
Minimum dimensions of the frame (length x height) (mm)	300 x 270
Plate size (length x height x thickness) (mm)	250 x 300 x 13
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, 4
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 / medium / short version) (mm)	5.920 / 4.920 / 3.920
Height (mm)	2.100
Weight (long / medium / short version) (kg)	2.050 / 1.950 / 1.850
Installed power (kW)	10

Included ● Available ○

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