



## SM 3TVH

Welding and cleaning 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.

**SM 3TVH / WELDING AND CLEANING 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 ○