Multi-Head Welding Machine SMH 510

Characteristic features:
- Electronic positioning of the welding heads
- Welding with parallel feed - carriages controlled by servo-drives
- PC control
- Quick and easy electronic adjustment of all essential parameters such as temperature, paths, times and pressure
- Continuous adjustment of the welding seam limitation between 0.2 and 2.0 mm as well as the melt and offset movements with servo drives
- Storage of profile-related welding data
- Integrated frame tools
- Quick changing device for teflon foil
- Automatic outfeed

Optional extras:
- Mechanical and electrical elements for high-temperature and high-speed welding (HTS)
- 2+2 welding
- Heating for knives above and below
- Limitation knives for laminated profiles
- Equipment for the welding of U-frames
- Sealing forming units
- Bar-code scanner
- ROTOX-Web-Control

Technical data*:
- Connected load (kW): max. 8
- Voltage (V): 400
- Operating pressure (bar): 6-7
- Air consumption per welding (NL): approx. 150
- Welding length (mm):
  - 320 - max. 3500 (without sealing forming units)
  - 430 - max. 3500 (with sealing forming units)
- Welding width (mm):
  - 430 - max. 3500 (without sealing forming units)
  - 500 - max. 3500 (with sealing forming units)
- Welding height (mm): 30-125, option: 30-180
- Welding width (mm): max. 140 without tools
- Machine dimensions W x D x H (mm): depending on specification
- Weight (kg): approx. 3500 depending on specification
- Workable material: hollow profiles made of PVC

*depending on size and options
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**Visualisation**

Operator-friendly visualisation and element related documentation of the whole welding process

**Example of a layout for up to 420 standard sashes in 8 hours:**

- Multiplication welding machine SMH 510 (2500 x 2500)
- Cooling station RKS 3223
- Two-head corner and transom cleaning machine EKA 577
- Wheeltable SGR
- Sliding worktable SGB
- Sash assembly table FBT 670 (Pre-assemble)
- Four-sides sash fitting machine FBA 670
- Automatic de-stacking into sash buffers

**Proven heating element butt welding in a new dimension**

The SMH 510 connects the welding method proven since decades with the latest technology and optionally with elements for high-temperature welding (HTS). Dependent on the chosen settings that results in reductions of cycle time of up to 50%, a better look of the inner corners and smoother sealing joints.

**The heart of the SMH 510:** Dynamic servo axes control the whole welding process

Motor moveable sealing forming units pushing and pulling

Visualisation

The SMH 510: Dynamic servo axes control the whole welding process

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