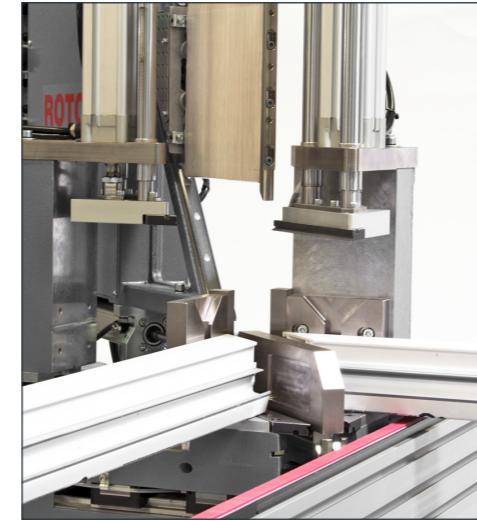


Multi-Head Welding Machine SMH 510

 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:

- Power (kW): max. 8
- Voltage (V): 400
- Operating pressure (bar): 6-7
- Air consumption per welding (NL): approx. 150
- Welding length (mm):
320 - max. 3.500 (without sealing forming units)
440 - max. 3.500 (with sealing forming units)
depending on specification
- Welding width (mm):
430 - max. 3.500 (without sealing forming units)
500 - max. 3.500 (with sealing forming units)
depending on specification
- Profile height (mm): 30-125, option: 30-180
- Profile width (mm): max. 140 without tools
- Machine dimensions L x D x H (mm):
depending on specification
- Weight(kg): approx. 3500 depending on specification

*(depending on size and options)

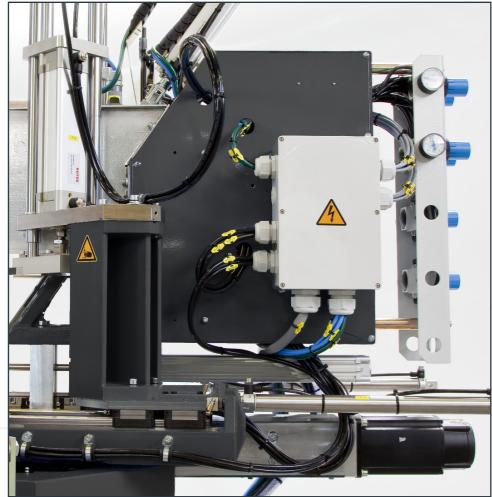
Multi-Head Welding Machine

High-performance welding machine for the simultaneous welding of four profile bars to a frame at an angle of 90° with parallel feed with servo-drives

SMH 510



Multi-Head Welding Machine SMH 510



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



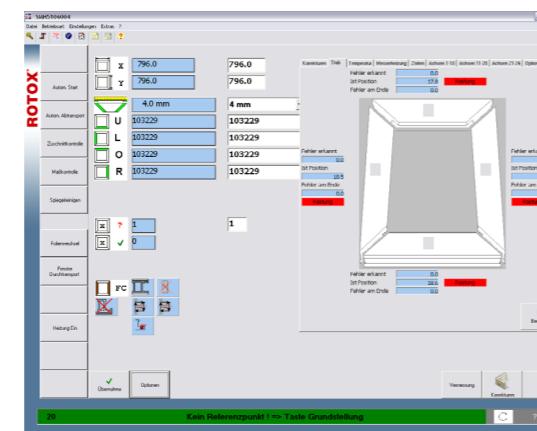
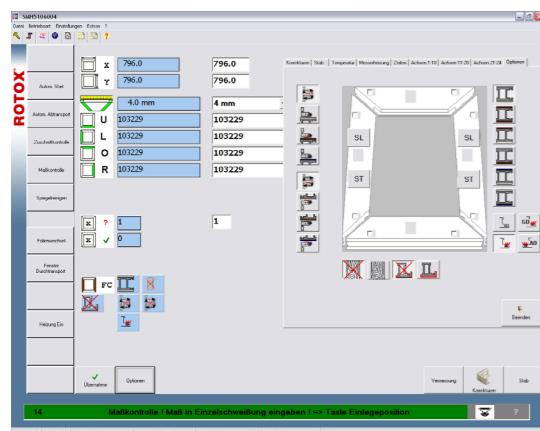
Proven heating element butt welding in a new dimension

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 result in reductions of cycle time of up to 50%, a better look of the inner corners and smoother sealing joints.

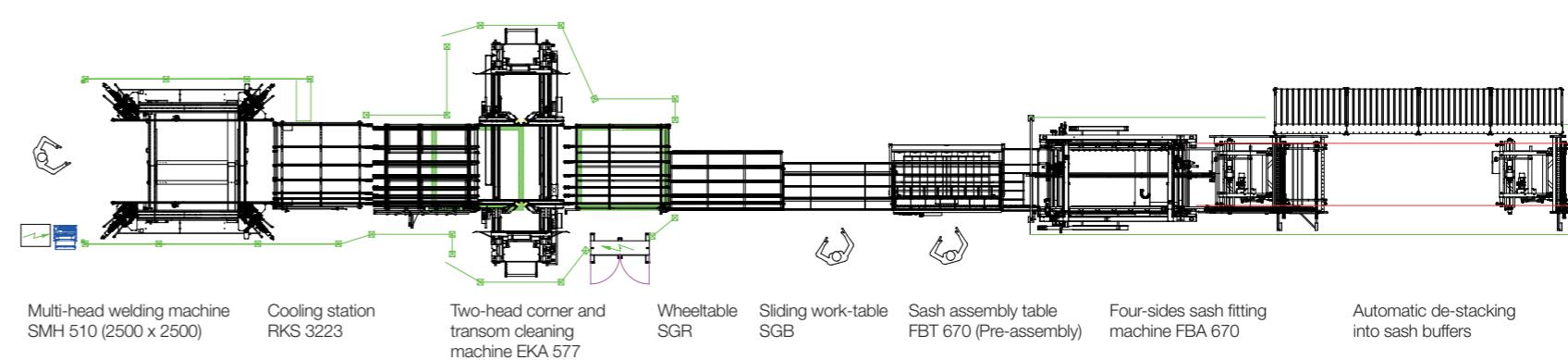


Motor moveable sealing forming
units pushing and pulling

Visualisation



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



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