

Four-Pointer-Welder SMH 510

Standard features:

- Dynamic servo axis control allowing true parallel welding with continuous monitoring of final weld table positions compensating for profile cut to length tolerances, dramatically decreasing welding and machine cycle times.
- On screen adjustment for weld bead limitation between 0,2 and 2,0 mm.
- CNC positioning of the machine x/y gantry via servo motors.
- PC Controls with file storage of all profile fixture offsets.
- Linear bearings and rails "T.H.K." mounted to precision ground surfaces
- Quickchange Teflonpaper sleeves which can be changes without turning off the plate
- Light curtain safety guarding at operator area
- Full surround steel mesh guarding

Available optional Features:

- Automatie profile unload
- Automatieprofile unload and ejection
- Barcode scanner and programming
- Custom weld fixturing
- Rotox Remote web -control



Technical data:

- Connected load (kW): max. 8
- Voltage (V): available 220/480 3phase
- Pneumatic requirement (PSI): 100
- Air consumption per welding (NL): approx. 150
- Welding length (mm):
8" minimum 137" maximum
(Approximate / Profile dependent)
- Welding width:
17" minimum X 130" maximum
(Approximate / Profile dependent)
- Profile height (mm):
30-180 (without sealing forming units)
35-150 (with sealing forming units)
- Profile width (mm): max. 140 without tools
- Machine dimensions W x D x H (mm):
depending on specification
- Weight(lbs): 6.800 dependent on the actual size
- Workable material: hollow profiles made of PVC

All details are subject to alteration without notice to incorporate improvements - 15.11.2013

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Accelerated Welding Features



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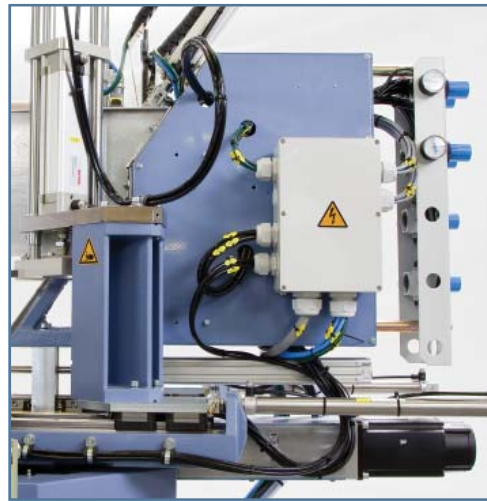
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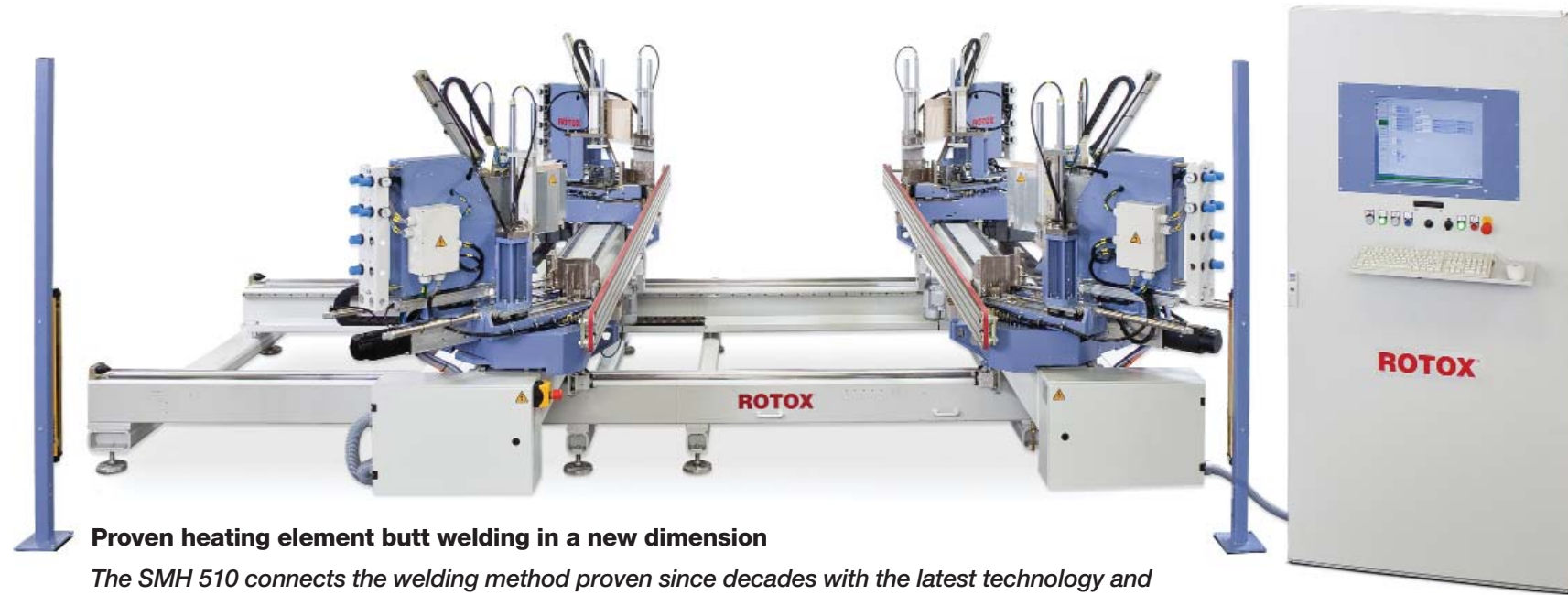
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The heart of the SMH 510: Dynamic servo axes control the whole welding process



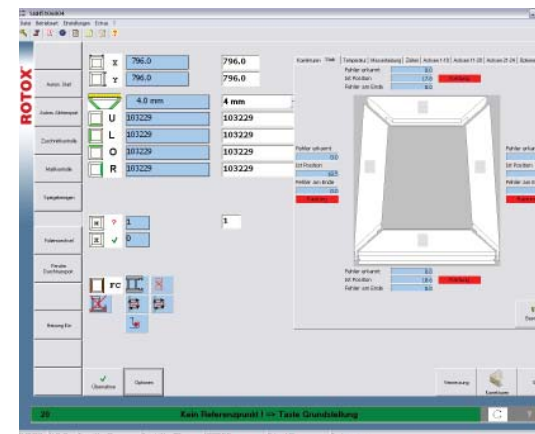
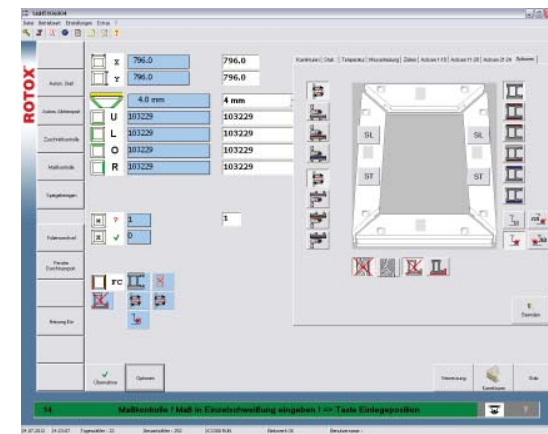
Proven heating element butt welding in a new dimension

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 results 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



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:

