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 Telfonpaper 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:**
- Automatic profile profile unload.
- Automatic profile 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.
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.

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:

Multi-head welding machine SMH 510 (2500 x 2500) Cooling station RKS 3223 Two-head corner and transom cleaning machine EMA 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