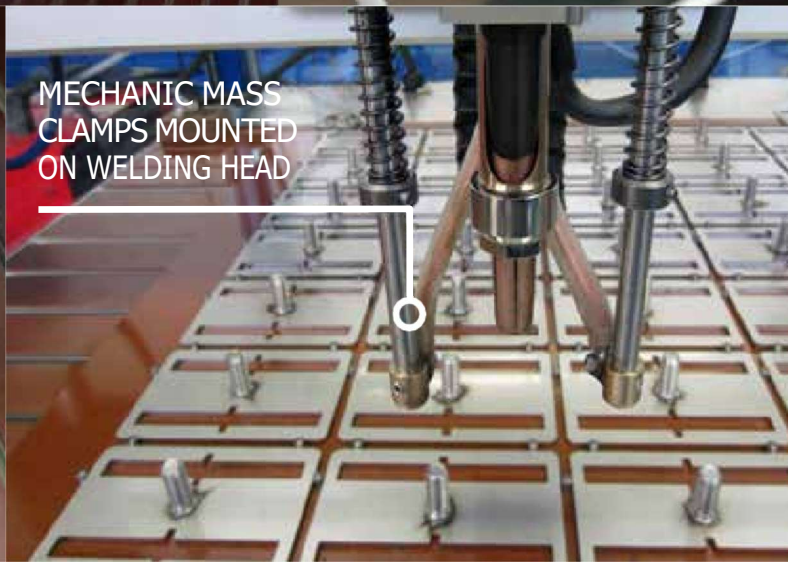
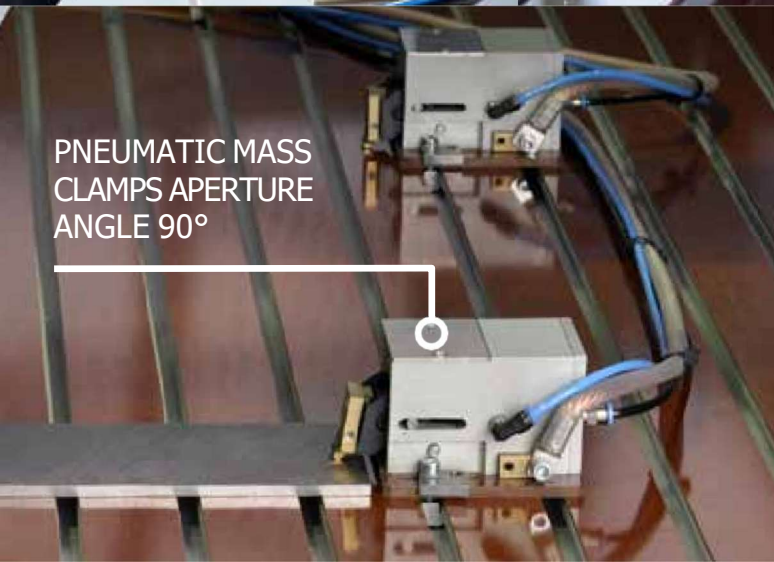
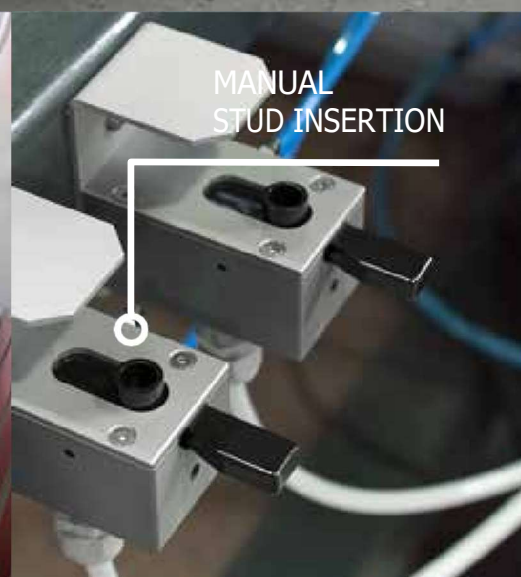


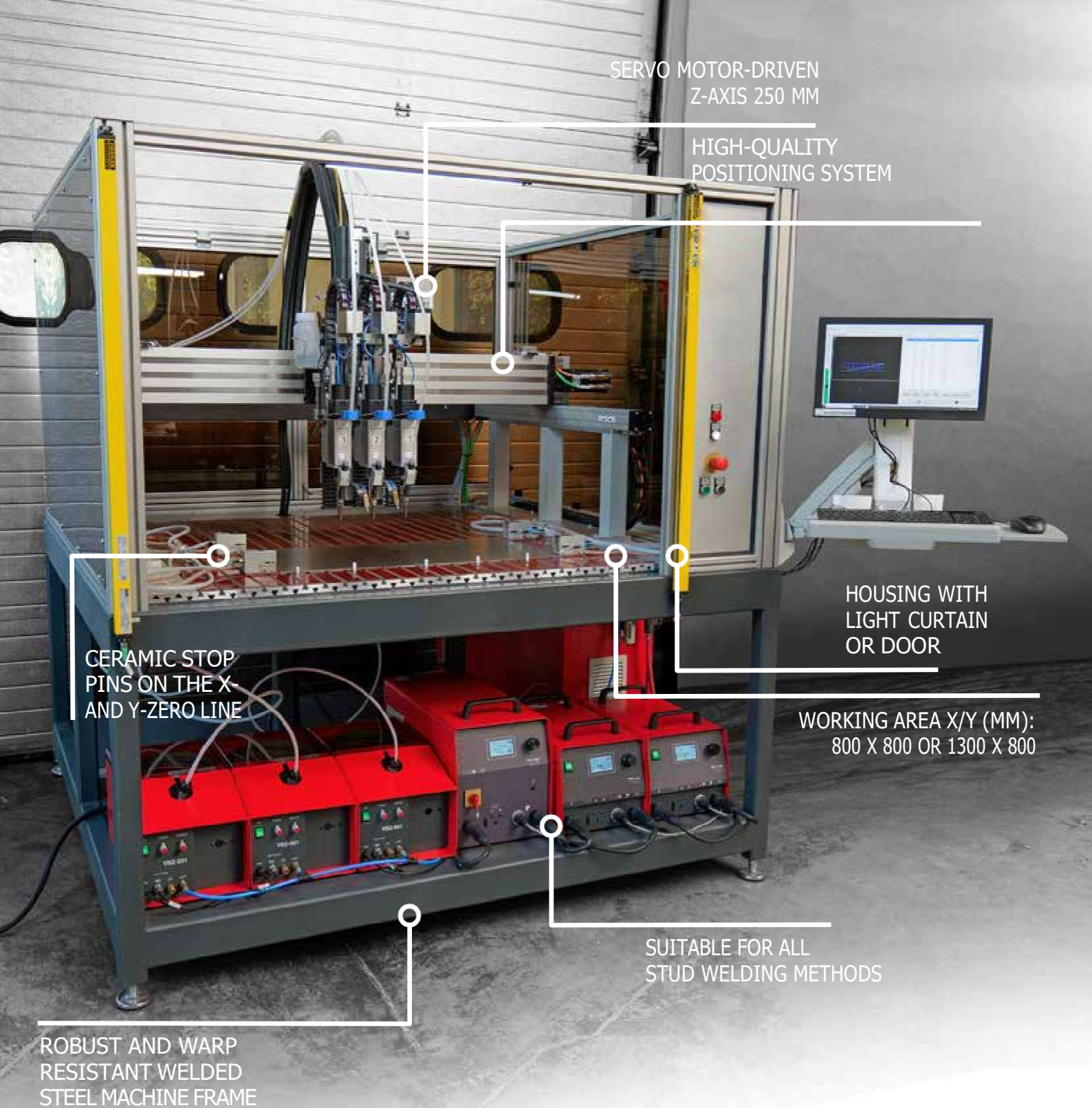


# SERIES T

CNC STUD WELDING MACHINES

**STUD WELDING**





## TECHNICAL DATA AND CHARACTERISTICS

|                                                                                                       | T 8080    | T 13080    |
|-------------------------------------------------------------------------------------------------------|-----------|------------|
| <b>Working area X/Y (mm)<sup>1)</sup></b><br>can be reached by each welding head                      | 800 x 800 | 1300 x 800 |
| <b>Welding range<sup>2)</sup></b><br>stud diameter (mm)                                               | 3-12      | 3-12       |
| <b>Max. number of stud welding heads</b>                                                              | 3         | 3          |
| <b>Max. operating speed X-/Y-axis (m/min)</b>                                                         | 12        | 12         |
| <b>Repeat positioning accuracy of the welded studs +/- (mm)</b>                                       | 0,2       | 0,2        |
| <b>Operation and programming</b>                                                                      |           |            |
| Operating software PRO-STUD (incl. DXF data converter)                                                | x         | x          |
| PC with Windows 10, 17" monitor (optional as touchscreen), keyboard and mouse with ergonomic mounting | x         | x          |
| Keypad at the front of the machine                                                                    | x         | x          |
| <b>Welding parameter monitoring<sup>3)</sup></b>                                                      |           |            |
| Welding parameter monitoring                                                                          | x         | x          |
| Welding parameter memory<br>with USB-interface for data transmission to a PC                          | o         | o          |
| <b>Automatic stud feeding</b>                                                                         | x         | x          |
| <b>Options</b>                                                                                        |           |            |
| Servo motor-driven Z-axis 250 mm                                                                      | o         | o          |
| Fluid spraying device for every welding head                                                          | o         | o          |
| Milling unit with exhaust device <sup>4)</sup>                                                        | o         | o          |
| Pneumatic single stud feeding, manual stud insertion                                                  | o         | o          |
| Stud switch                                                                                           | o         | o          |
| Pneumatic mass clamps standard                                                                        | o         | o          |
| Pneumatic mass clamps aperture angle 90°                                                              | o         | o          |
| Mechanic mass clamps on welding head                                                                  | o         | o          |
| Pneumatic mass clamps on welding head                                                                 | o         | o          |
| Workpiece downholder for every welding head                                                           | o         | o          |
| Pneumatic stop pins                                                                                   | o         | o          |
| Shielding gas equipment for every welding head                                                        | o         | o          |
| <b>Protection devices</b>                                                                             |           |            |
| Housing with light curtain                                                                            | x         | x          |
| Housing with door <sup>5)</sup>                                                                       | o         | o          |
| <b>Motor technology/drive</b>                                                                         |           |            |
| Servo motors                                                                                          | x         | x          |

|                                                                                                                              | T 8080                                                  | T 13080                                                 |
|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| <b>Pneumatic working lift/welding head (mm)</b><br>mechanic adjusting range 50 mm                                            | 80                                                      | 80                                                      |
| <b>Machine frame</b><br>Welded steel construction                                                                            | x                                                       | x                                                       |
| <b>Ceramic stop pins on the X- and Y-zero line</b>                                                                           | x                                                       | x                                                       |
| <b>Suitable stud welding units<sup>6)</sup></b><br>PRO-C 1000<br>PRO-C 1500<br>PRO-I 1300<br>PRO-I 2200<br>PRO-D 1600        | x<br>x<br>x<br>x<br>x                                   | x<br>x<br>x<br>x<br>x                                   |
| <b>Suitable automatic stud welding heads<sup>6)</sup></b><br>KHA-200F<br>with integrated travel measuring system<br>KKA-200F | x<br>x                                                  | x<br>x                                                  |
| <b>Dimensions</b><br>Width (mm)<br>Depth (mm)<br>Height (mm)<br>Weight (kg)                                                  | 1900<br>1900<br>2000<br>900                             | 2400<br>1900<br>2000<br>1000                            |
| <b>Connection values</b><br>electrical<br>(mains supply, mains fuse external)<br>pneumatical                                 | 400 V/50 Hz, 16A<br><br>≥ 6 bar<br>unoiiled, dry, clean | 400 V/50 Hz, 16A<br><br>≥ 6 bar<br>unoiiled, dry, clean |

x – Standard, o – Option

- 1) Other dimensions on request as special production.
- 2) Other diameters as well as special welding elements on request as special production.
- 3) By stud welding units PRO-C/PRO-I/PRO-D. For further details see product data sheets **PRO-C**, **PRO-I** and **PRO-D**.
- 4) The machine concept is designed for three working stations. If a milling unit is used at the most two stud welding heads can be mounted.
- 5) Design as sliding, folding or lift door (if required also pneumatically).  
Optional: Housing with closed top as sound insulation housing.
- 6) The machines are suitable for all stud welding methods. PRO-C 1000/1500 = capacitor discharge (contact and gap method), PRO-I 1300/2200, PRO-D 1600 = drawn arc and short cycle, KHA-200F = capacitor discharge (gap and contact method), drawn arc and short cycle, KKA-200F = capacitor discharge (contact method)



**A.T.S. s.r.l.**

Via del Mangano n° 4/A  
40023 Castel Guelfo di Bologna  
Tel: +39 0542670427  
Email: [info@atslamberti.com](mailto:info@atslamberti.com)  
[www.atsslamberti.com](http://www.atsslamberti.com)

AZIENDA CERTIFICATA  
UNI EN ISO 9001:2015 REG.3023/A

Approv. Dir. Rev. n 01 del 22/01/2026