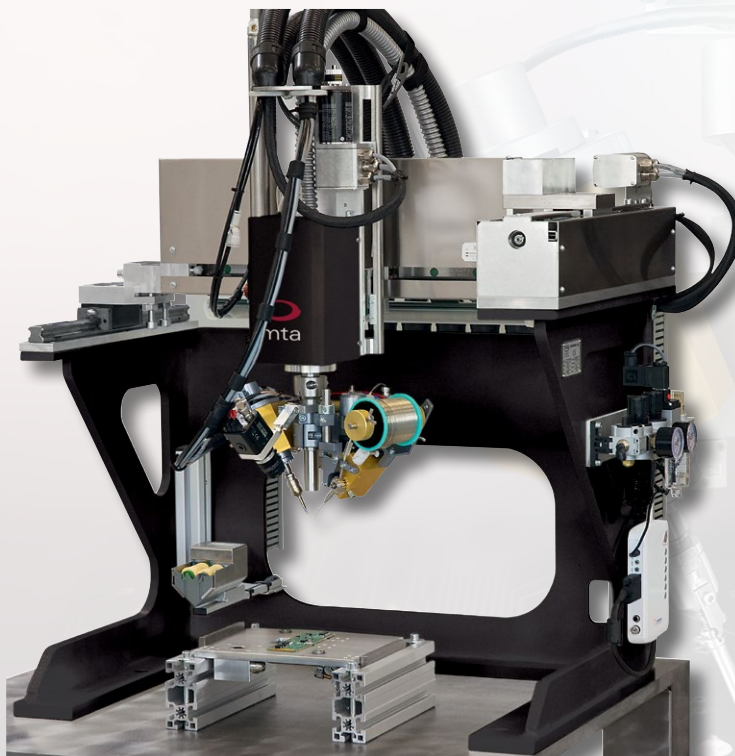


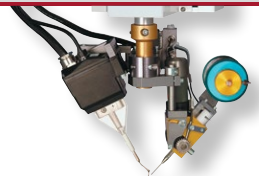
OEM selective soldering robot for integrator



Iron



Induction



Flexible and easy to integrate: the OEM robot is designed for semi- or fully automated soldering operations. It integrates securely into production lines and comes with a predefined process setup for fast commissioning.



Advantages

- Ideal for semi or fully automated processes
- Requiring less skill and training than hand-soldering
- High process accuracy with consistent quality
- Process tested in laboratory
- Turnkey solution for integrator
- Suitable for inline production
- Large working area
- User friendly
- Easy maintenance



Features

- 3-axis cartesian robot
- Welded frame construction
- 300x300 or 500x500 mm working area
- Anti-jam wire feeder system
- Industrial PC controller with Windows operating system
- Industrie 4.0
- Intuitive menu-driven mta MotionEditor software
- Soldering settings traceability
- Remote maintenance with Team Viewer



Options

- Rotary axis
- Fixture customization
- Fume extraction system
- Monitoring camera
- Vision for recentering
- Vision quality inspection
- Traceability of parts and integration of barcode reader
- ESD protection kit
- Part presence sensor
- Part height measuring sensor
- Automated sponge dampening

Typical soldering applications

Automotive



- Automotive application
- 4 points with iron
- Point size of 1 mm



- Pneumatic pressure sensor
- 3 points with iron
- Point size of 2 mm



- Automotive battery cable
- 1 point with induction
- Point size of 16 mm

Electronics / sensors



- Terminals on a PCB
- 14 points with iron
- Point size of 2 mm

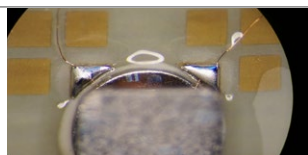


- Connector of inductive detector
- 5 points with iron
- Point size of 2 and 3 mm



- Temperature sensor
- 2 points with induction
- Point size of 1.5 mm

Medical



- Medical application
- 2 points with laser
- Point size of 0.3 mm



- Medical pressure sensor
- 4 points with laser
- Point size of 1 mm



- Medical application
- 9 points with laser
- Point size of 0.8 mm

OEM robot technical specifications

Working area	300 x 300 x 100 mm or 500 x 500 x 200 mm
Positioning repeatability	±20 µm
Speed	X and Y: <250mm/s, Z <150mm/s, T <=3.14 rad/s
Programming	HMI Windows oriented
Operating system	WINDOWS
Electronic control	Industrial-PC
Interfaces	Ethernet / USB port / Serial port
Execution mode	standalone or slave via I/O or TCP-IP*
X-, Y- and Z axis actuation	servomotors- rotary axis: stepper motor
Power supply	230/115V- 50/60Hz
Power consumption	1.1 kVA
Air pressure	max. 6 bar
Dimensions	756 x 585 x 933 mm
Weight	~150 kg

**or others upon request*

