



Compatible

[SMARTBOX]

<PROCESS TRACKER>



MTU-610

The MTU-610 is a large-format, high-capacity wave soldering system designed for extra-wide PCB production and demanding industrial applications. Combining dual-wave soldering, advanced automation, and highly efficient heating technology, it delivers exceptional solder quality, process stability, and productivity for complex assemblies.

Applications

Ideal for very large and complex PCB assemblies, including:

Automotive and power electronics

Industrial control systems and infrastructure

Large-format consumer electronics

EMS high-volume and heavy-duty production lines

FEATURES

- Extra-wide PCB capability up to 610 mm
- Dual wave system: laminar (first) + dancer (second) for optimal soldering performance
- High-precision temperature control ($\pm 1^\circ\text{C}$) ensures process stability
- 4-zone preheating system (1800 mm) with hot air convection
- Advanced PLC + PC control system with automation, alarms, and scheduling
- Automatic flux spraying system with intelligent PCB detection and adjustable flow
- Comprehensive flux management system (recycling, filtration, air curtain)
- Automatic finger cleaning system with recyclable alcohol solution
- Energy-efficient matrix heating (up to 95%)
- Robust enclosed machine design for safety, durability, and easy maintenance
- SMEMA compatibility for seamless line integration

PCB width	Max.50~610mm
Solder pot capacity	Approx. 710kg
Dimension	4500*1450*1730mm
Air supply	4~7KG/CM2
Interface	SMEMA
PCB convey height	750±50mm
Wave adjustable height	0-18mm
Wave types	Laminar and dancer
Conveying direction	Left to right
Electricity supply	3P 5 wires 380V/3P 220V
Rail parallelism	Width adjusting accuracy less than 0.2mm

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Ctra. C-31, 148,4. Masia Les Planes, 20.
 Camí de Les Planes. 08880 Cubelles,
 Barcelona. Spain
administrative@mstechcorp.eu

BUSINESSCENTER

sales@mstechcorp.eu
services@mstechcorp.eu


MSTECH
 EUROPE
