



Compatible

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MTU-450

MTU-450 Wave Soldering Machine

The MTU-450 is a high-capacity wave soldering machine designed for wide PCB applications, delivering precise, stable, and efficient soldering performance. With advanced dual-wave technology, intelligent control systems, and robust construction, it ensures consistent high-quality results for demanding production environments.

Applications

Ideal for large-format and high-density PCB assembly, including:

- Consumer electronics
- Automotive electronics
- Industrial and power electronics
- EMS and high-volume production lines

FEATURES

- Extended PCB handling up to 450 mm width
- Dual wave system: laminar + dancer for superior solder quality
- High-precision temperature control ($\pm 1^\circ\text{C}$)
- 4-zone preheating system (1800 mm) with hot air convection
- PLC + PC control system with alarms, automation, and scheduling
- Automatic flux spraying system with intelligent detection and adjustable flow
- Advanced flux management with recycling and exhaust filtration system
- Automatic finger cleaning system with recyclable alcohol solution
- Energy-efficient matrix heating (up to 95%)
- Robust, fully enclosed design for safety and ease of maintenance
- SMEMA interface for seamless production line integration

PCB width	Max.50~450mm
Solder pot capacity	Approx. 550kg
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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