



Compatible

[SMARTBOX]

<PROCESS TRACKER>



MTR-800

The MTR-800 is a high-capacity SMT reflow oven engineered for precision lead-free soldering and high-throughput production. With extended heating zones and advanced control, it ensures excellent thermal uniformity and process stability.

FEATURES

16 heating zones (8 top / 8 bottom) + 6 cooling zones
 Temperature range: Ambient to 300°C
 High precision: $\pm 1^\circ\text{C}$ control, $\pm 1.5^\circ\text{C}$ PCB deviation
 Fast warm-up: ~30 minutes
 Industrial PC control with profile storage and monitoring
 Energy consumption: ~9KW
 UPS, MES & LAN connectivity

Conveyor & Capacity

PCB width: 50–460 mm
 Speed: 300–2000 mm/min
 Chain + mesh conveyor with automatic lubrication
 Component height: up to 30 mm (top & bottom)

Cooling & Performance

3-zone forced air cooling (960 mm)
 PCB exit temperature $\leq 70^\circ\text{C}$
 Fast thermal response ($\leq 20\text{s}$)

Technical Specs

Dimensions: 5520 × 1430 × 1530 mm
 Weight: ~2710 kg
 Power supply: 3P 380V / 220V, 50/60Hz
 Total power: 64KW

Heating zones qty.	Top 8, bottom 8
Cooling zones qty.	Top 3, bottom 3
Dimension	5520*1430*1530mm
Heating zone length	3110mm
Interface	SMEMA
Cooling zone	1 cooling zone, length is 500mm, PCB surface temp. is $\leq 70^{\circ}\text{C}$ at the exit.
Cooling flux management	With separate flux management in the cooling zone, make it clean all the time.
Component height	Top/bottom 30mm
Conveying direction	Left to right
Electricity supply	3P 380V/220V 50/60HZ
Control	Industrial computer

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