



Compatible

[SMARTBOX]

<PROCESS TRACKER>



MTR-600

The MTR-600 is a high-performance SMT reflow oven designed for precise and reliable lead-free soldering. It combines advanced hot air convection heating with an industrial control system to ensure consistent thermal results and efficient production.

FEATURES

12 heating zones (6 top / 6 bottom) + 2 cooling zones

Temperature range: Ambient to 300°C

High accuracy: $\pm 1^\circ\text{C}$ (control), $\pm 1.5^\circ\text{C}$ PCB deviation

Fast warm-up: ~30 minutes

Industrial PC control with profile storage & real-time monitoring

Energy efficient: ~5KW operating consumption

Built-in UPS for power failure protection

MES & LAN connectivity

Conveyor & Capacity

PCB width: 50–460 mm

Speed: 300–2000 mm/min (adjustable)

Chain + mesh conveyor with automatic lubrication

Component height: up to 30 mm (top & bottom)

Cooling & Performance

Forced air cooling, PCB exit $\leq 70^\circ\text{C}$

Stable heat balance and fast response time ($\leq 20\text{s}$)

Technical Specs

Dimensions: 4100 × 1430 × 1530 mm

Weight: ~2200 kg

Power supply: 3P 380V / 220V, 50/60Hz

Total power: 48KW

Warm up time	Approx. 30 minutes
Conveying height	900±20mm
Dimension	4100*1430*1530mm
PCB Max. width	50-460mm
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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