

MISTRAL 260 CONVECTION REFLOW OVEN

The Mistral 260 is a very popular model. It fits perfectly in small to medium production lines. The Mistral series convection reflow soldering systems use re-circulated hot air to accomplish reflow at much lower temperatures than IR systems. Using constant, even heating, a great variety of board sizes will reach reflow temperature with the same heat profile. By eliminating set-up time your production line can work to its fullest capacity. "Environmentally friendly" is more than just a catch to the Mistral designers. With reduced energy consumption and carefully controlled air-flow and exhaust systems, your plant will fully benefit from the moment of introduction.



Highlights:

- Suitable for single sided as well as double sided pcb's.
- Easy processing through the 5,7" LCD touchscreen with an intuitive user interface
- Forced air convection provides uniform heating and prevents shadowing.
- 3 Zones with maximum temperatures up to 300°C, specially for lead free soldering
- Optional cabinet available
- Visual inspection of reflow process through glass top
- Two detachable thermocouples for measuring substrate temperatures.
- Control by RS232 connection is available
- Exhaust pipe system included for oven, in- and output



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UNIQUE DESIGN:

Mistral ovens are the only ones worldwide that offer a full glass cover; This offers fully visual process control. It is a special benefit to educational use and prototyping and small series assembly. Of course the specially designed 3-layers glass top complies fully to CE safety regulations. The metal spring wires conveyor is low mass, this saves heat-up time and energy consumption. The unique conveyor design also offer less maintenance and improves user safety.

Specifications:

Dimensions :	1.540 x 570 x 340mm (L x W x H), without optional cabinet
Power requirements :	Single phase, 220VAC, 16A, 50-60Hz
Max. power consumption :	3.6KW (3.600 W)
Max. PCB size :	Soldering width 250mm, height 25mm
Conveyor :	Mesh belt., speed from 4 to 60 cm/min.
Length process chamber :	830mm
Zones :	4; preheat Z1 (245mm), Z2 (3000mm), reflow (Z3 = 285mm) and cooldown (300mm) Max. temperature each zone 300°C
Control :	5.7" full color LCD (640 x 480) touchscreen with password system option
I/O:	USB memory stick, RS232 for USB or legacy. 2 Thermocouples for measuring profile
Heat up time :	+/- 15min.
Weight:	+/- 70 Kg.



Options:

- Cabinet, 900 x 380 x 640mm. (L x W x H)
- Signal lamp with max. 5 colors. (Green-Orange-Red-Blue-White)
- PCB Rack for double sided soldering



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