

# MISTRAL 360 FORCED AIR CONVECTION REFLOW OVEN



## Description:

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The Mistral 360 convection reflow soldering system uses 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.

## Features of Mistral 360 Forced Air Convection Reflow Oven:

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- Forced air convection heat for maximum temperature up to 300°C for lead-free soldering.
- Forced air convection provides uniform heating and prevents shadowing.
- Four heat zones, each independently controlled for accurate temperature profiles.
- Bench-top unit can be converted to a standalone unit by use of the optional cabinet and also integrated into a fully conveyORIZED production line.
- Viewing panel allows visual inspection of reflow process.
- Detachable thermocouple for measuring substrate temperatures.
- Touch screen control system, full colour.

Convection heating provides many other advantages over IR. In addition to the wide process window it works with:

- No shadowing.
- No hot spots.
- No colour sensitivity.
- 4-zone temperature control
- No cold solder joints.
- No belt load sensitivity.

With a belt width of 365 mm (over 14") and consistent temperature across the entire width Mistral can easily accommodate your entire production line speeds up to 110 cm/minute.

"Environment friendly" is more than just a catch of the Mistral designers. With reduced energy consumption and carefully controlled air-flow and exhaust systems, your plant will only benefit from its introduction. Ease of access to all parts of the machine ensures fast and easy maintenance. Managing information is quickly available and ancillary processes, such as glue curing, are easily programmed. The Mistral 360 reflow system is built to last and perform to the highest standards throughout its long lifetime.

For more detailed information please visit our website.

## Technical Specifications:

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- Touch screen control system, full colour 3,8"
- Power requirements: 380/400 VAC 3-phase. Other ratings available.
- Rated power max.: 7800 Watts
- Temperature regulation accuracy: 1°C
- Stainless steel spring wires conveyor belt
- Conveyor speed: 15-110 cm/min (6-43 inch/min)
- Soldering temperatures typ.: 180-300°C
- Leadfree soldering
- Clearance for assemblies up to 25 mm (1 inch)

### Length process chamber:

- 1400 mm (55 inch).
- Bottom cooling fans at offload section.
- Heat-up time: approx. 15 min.

### Dimensions:

- L x W x H= 2240 x 755 x 350 mm
- Net weight 160 Kg

USB output for direct printing

**Option:** Cabinet