

## MISTRAL260 REFLOW OVEN (3600W)



SKU: 148440D



### MISTRAL 260 SMT REFLOW OVEN

**Spidé Mistral 260 - Three-zone, forced air convection oven for drying and reflow soldering of SMT boards** with temperatures up to **300°C**.

Suitable for single-sided as well as double-sided PCBs and with both leaded or **lead-free alloys**.

Ideal for small to medium production lines. It can be used with single phase power sources.

The Mistral series convection reflow soldering systems use **re-circulated hot air** to accomplish the reflow at much lower temperatures than IR systems. Using a constant and even heating, a great variety of board sizes will reach reflow temperature with the same heating profile. By eliminating set-up time, your production line can work to its fullest capacity.

Its environment-friendly design ensures reduced energy consumption and carefully controlled air-flow and exhaust systems.

#### Highlights

- Easy processing thanks to the wide 5.7" LCD touchscreen and an intuitive user interface
- Forced air convection provides uniform heating and prevents shadowing
- **Visual inspection of the reflow process through the top glass**
- Supply includes **2 detachable thermocouples** for measuring substrate temperature and creating soldering profiles
- By eliminating set-up times, your production line can operate at maximum capacity
- Soldering profiles can be exported via USB stick for subsequent analysis on a PC



- A RS-232 connection allows control by serial communication.

## Specifications

- Power requirements: Single phase, 220 Vac, 16 A, 50-60 Hz
- Max. power consumption: **3600 W**
- Temperature: up to **300 °C**
- Heat up time: +/- 15 min.
- Max. PCB size (Length x Thickness): **250 mm x 25h mm**
- CONVEYOR BELT:
  - Stainless steel spring wires
  - Adjustable speed: **from 2 to 60 cm/min** - Step: +/- 1 cm - Different speeds are possible on request
- Process chamber length: **830 mm**
- Zones: **Preheat Z1** (285 mm), **Preheat Z2** (300 mm), **Reflow** (Z3 = 245 mm) e **Cooldown** (300 mm)
- Control: Full-colour 5.7" LCD Touch-Screen (640 x 480 mm) with password option
- Overall dimensions: 1540 x 570 x 340h mm
- Weight: approx. 70 kg
- Input/Output: 2 x USB 2.0, 2 x Thermocouple port, RS-232
- User manual: ENG, FR, DEU.

**Standard equipment includes:** 2 x Detachable thermocouple for measuring soldering profiles at PCB level, USB memory stick for saving profiles and uploading software updates, Software for control with RS-232 commands, Belt speed calibration software.

**Available accessories** (NOT included): Support cabinet (900 x 380 x 640h mm), Signal lamp with up to 5 colours (Green, Orange, Red, Blue, White), PCB rack.