

Mistral 360

- Forced air convection heat for maximum temperatures up to 300 °C.
- 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

Forced air convection reflow oven



TECHN  **PRINT**

The **Mistral 360** convection reflow soldering system uses recirculated 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.

Mistral 360

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 the Mistral can easily accommodate your entire production line speeds up to 110 cm/minute.

"Environment 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 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 to perform to the highest standards throughout its long lifetime.

For more detailed information please visit our website.

TECHNICAL SPECIFICATIONS:

- 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
- Clearance for assemblies up to 25 mm (1 inch)
- Soldering width: 365 mm

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

CARACTERISTIQUE TECHNIQUES:

- Toucher l'écran système de contrôle, couleur 3,8"
- Raccordement réseau: 380/400 VAC. Triphasé, autres sur demande.
- Consommation max.: 7800 Watt
- Precision de réglage de température: 1 °C.
- Transport par convoyeur.
- Vitesse de transport: 15 -110 cm/min
- Températures normales de soudage 180 - 300 °C.
- Hauteur de passage: 25 mm max.
- Largeur utile de soudage: 365 mm

Longueur tunnel de soudage:

- 1400 mm.
- Ventilateurs de refroidissement en fin de section de chauffage.
- Temps de chauffage env. 15 min

Dimensions:

- L x P x H = 2240 x 755 x 350 mm.
- Poids: 160 kg

Sortie USB pour impression direct

Option: Cabinet

TECHNISCHE DATEN:

- Touch-screen steuerung, Farbe 3,8"
- Netzanschluss: 380/400 VAC. Dreiphasig, andere auf Anfrage.
- Anschlussleistung max.: 7800 Watt.
- Regelgenauigkeit der Strahler: 1 °C
- Offenes Transportband endlos spiral Federn.
- Transportgeschwindigkeit 15 - 110 cm/Min.
- Löttemperaturen typisch: 180 - 300 °C
- Durchlaufhöhe: max 25 mm
- Nutzbare Lötbreite: 365 mm

Prozesskammerlänge:

- 1400 mm
- Kühlventilatoren unten, am Ende der Heizstrecke.
- Aufheizzeit: ca. 15 min

Abmessungen:

- L x B x H = 2240 x 755 x 350 mm.
- Gewicht: 160 kg

USB-ausgang für direkt drucken

Optionen: Unterbau

TECHNISCHE GEGEVENS:

- Touch screen besturingssysteem, volledig kleur 3,8"
- Netspanning: 380/400 V. 3-fasen, andere op aanvraag.
- Opgenomen verm. max.: 7800 W
- Regelnaauwkeurigheid van de stralers: 1 °C
- Open transportband uit roestvaste stalen veren.
- Transportsnelheid: 15 - 110 cm/min
- Typische soldeertemperaturen: 180 - 300 °C
- Max. doorloophoogte 25 mm
- Soldeerbreedte: 365 mm

Lengte proceskamer:

- 1400 mm
- Koelventilatoren aan het einde van de ovensectie.
- Opwarmtijd: ca. 15 min

Afmetingen:

- L x B x H = 2240 x 755 x 350 mm.
- Gewicht: 160 kg

USB uitgang voor direct printen

Optie: Onderbouw



Made by:
Technoprint SMT bv

Veldzichtweg 10
3851 SH Ermelo
(The Netherlands)

Phone: +31 341 563 026
Fax: +31 341 563 027
Email: info@technoprint-smt.nl
Site: www.technoprint-smt.nl