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**multi-field**

# infrared (IR) and hot air dryer with cooling module

# COMBI

*unloading area*

## *Description*

The dryer model **COMBI** has been designed and built to dry traditional screen printing inks.
It is available in **two versions**:

- *infrared only;*
- *infrared and hot air.*

The addition of the hot air system is recommended in case of drying of water-based varnishes.
Depending on the model chosen, the dryer is suitable for medium and large productions.

| Main technical data | |
|---|---|
| *Dryable items:* | flexible materials as paper, cardboard and plastic sheets and rigid materials as wooden panels, metal and glass sheets |
| *Dryable inks:* | traditional screen printing inks |
| *Electrical supply[1]:* | 400 V 3-phase + neutral, 50 Hz |

[1] Any other three-phase electrical supply available on request.

| Conveyor belt technical data | |
|---|---|
| *Conveyor belt width:* | depending on the customer request |
| *Conveyor belt length:* | depending on the customer request |
| *Conveyor belt height:* | 800÷850 mm |
| *Max item height:* | 140 mm |

| IR lamps technical data | |
|---|---|
| *Lamps typology:* | infrared, medium waves |
| *Lamps power:* | 1600 W/each |
| *IR temperature:* | room temperature÷200°C |
| *IR and hot air temperature:* | room temperature÷170°C |

To improve the quality of the product, the Mismatic Company can effect modifications in the manufacturing without any obligation to notify the same to the Customer.

*loading area*

## *Standard features*

- **Two options for the conveyor belt:**
  - made with Kevlar® reinforced fibreglass resistant to high temperatures (max 250°C)
  - made with rollers and rubber wheels resistant to high temperatures (max 250°C)
- **Conveyor belt speed:** adjustable by control panel
- **Conveyor belt working modes:** continuous or step-by-step
- **Time to pass through the dryer:** adjustable by control panel
- **Drying temperature:** adjustable by control panel
- **In the infrared and hot air version, the dryer is equipped with manual dampers for regulating the incoming air flow**
- **The dryer is insulated by high density rock wool**
- **Control panel on board**