

textile field

Infrared (IR) and hot air dryer

DUPLO



unloading area

Description

The infrared (IR) and hot air dryer model **DUPLO** 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	
<i>Dryable items:</i>	pre-cut and made fabrics as t-shirts, sweatshirts, shirts, slacks, socks, handkerchiefs, bandanas, pillows, bags and promotional articles, etc.
<i>Dryable inks:</i>	traditional screen printing inks (especially water-based and plastic (Plastisol) ones)
<i>Electrical supply¹:</i>	400 V 3-phase + neutral, 50 Hz

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

Conveyor belt technical data	
<i>Conveyor belt width:</i>	depending on the customer request
<i>Conveyor belt length:</i>	depending on the customer request
<i>Conveyor belt height:</i>	800÷850 mm
<i>Max item height:</i>	140 mm

IR lamps technical data	
<i>Lamps typology:</i>	infrared, medium waves
<i>Lamps power:</i>	1600 W/each
<i>IR temperature:</i>	room temperature÷200°C
<i>IR and hot air temperature:</i>	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.



Standard features

- ❖ **Equipped with Kevlar[®] reinforced fibreglass conveyor belt resistant to high temperature** (max temperature 250°C)
- ❖ **In case the items to be dried exert a pressure higher than 3 kg/m², the conveyor belt can be made of zinc-coated sticks**
- ❖ **Conveyor belt speed:** adjustable by control panel
- ❖ **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**
- ❖ **Doors at the loading/unloading area:** adjustable up to 14 cm; this adjustment is very useful when you must dry sweatshirts, jackets, caps, etc.
- ❖ **The dryer is insulated by high density rock wool**
- ❖ **Control panel on board**



*example of a dryer with a conveyor belt
made of zinc-coated sticks*