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3D object field	infrared (IR) and hot air dryer with cooling module for 3D objects

unloading area

Description

The dryer 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:	3D objects
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:	depending on the customer request

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

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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/m^2, the conveyor belt can be made of zinc-coated sticks**
- **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**
- **Doors at the loading/unloading area:** automatic
- **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

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