

Infrared drying tunnel



*for textile
printing*

TIFLEX

Infrared drying tunnel is dedicated to polymerise water based and plastisol inks used in the textile industry. It can also be used for solvent based inks (époxy, polyuréthane, glycéro...) printed on IR resisting surfaces (thermo hardening, metals...).

This equipment is manufactured in the following standard widths : 80, 120 and 140 cm but other sizes can be manufactured on request.

• Working process

Polymerisation is obtained with radiant transmitters action on the printed surface.

• Characteristics

- under equipment length: 2,60 m
- teflon glass conveyor resisting to heat (250°C)
- variable conveyor speed from 1 to 4 m/mn (please, consult us for other reduction ratios)
- parallelism and conveyor tension adjustments, stopping collar guiding
- collapsible shutters allowing thick support passage such as caps
- drying area, controlled by a switch and guided by a temperature regulator with digital display
- fumes collector on the drying tunnel exit(125 mm diameter)
- metal frame with 4 wheels ensuring an easy moving

On request and after study, we can supply combined drying tunnel composed of jet air element, infrared element and cooling section.

infrared tunnel	IR 80	IR 120	IR 140
MECHANICAL CHARACTERISTICS			
useful width	80 cm	120 cm	140 cm
opening	90 x 12 cm	130 x 12 cm	150 x 12 cm
from ground conveyor height	86,5 cm	86,5 cm	86,5 cm
OVERALL DIMENSIONS			
overall width	120 cm	160 cm	180 cm
under element length	260 cm	260 cm	260 cm
overall length	420 cm	420 cm	420 cm
overall height	130 cm	130 cm	130 cm
exit and entry useful length	54 and 34 cm	54 and 34 cm	54 and 34 cm
net weight	365 kg	460 kg	550 kg
gross weight	460 kg	600 kg	660 kg
ELECTRICAL CHARACTERISTICS			
heating	12 radiant elements 600 W	18 radiant elements 600 W	21 radiant elements 600 W
total power	7,5 kW	11 kW	13 kW
feeding	400 V tri	400 V tri	400 V tri
3-phase intensity 400 V	12 A	19 A	23 A
conveyor speed	0,4 to 6,5 m/mn	0,4 to 6,5 m/mn	0,4 to 6,5 m/mn
operating sound level	80 decibels max.	80 decibels max.	80 decibels max.