TIFLEX
marquer le monde

Screen printing

Material

«T-IR» Drying tunnel

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, polyuréthanne, 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

- Teflon glass conveyor resisting to heat (250°C)
- Variable conveyor speed from 0.4 to 6.5 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





T-I.R. DRYING TUNNEL	T-IR 80		T-IR 120	T-IR 140
	1 element Ref. 2210081TR	2 elements Ref. 2210082TR	2 elements Ref. 2210121TR	2 elements Ref. 2210122TR
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	82 cm			
OVERALL DIMENSIONS				
Overall width	131 cm		171 cm	191 cm
Under element length	130 cm	260 cm	260 cm	260 cm
Overall length	270 cm	400 cm	400 cm	400 cm
Overall height	130 cm			
Exit and entry useful length	60 cm/ 60 cm			
Net weight	265 kg	365 kg	460 kg	550 kg
Gross weight	360 kg	460 kg	600 kg	660 kg
ELECTRICAL CHARACTERISTICS				
Heating	6 radiant elements 600 W	12 radiant elements 600 W	18 radiant elements 600 W	21 radiant elements 600 W
Total power	4,8 kW	11 kW	11 kW	13 kW
Feeding	400 V tri			
3-phase intensity 400 V	7 A	11 A	16 A	19 A
Conveyor speed	0,4 to 6,5 m/mn			
Operating sound level	69 decibels max.			

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

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