# TANDEM 950

### Modular Electric Dryers with Forced Hot Air

Main Application: DTG Digital Printing - Industrial production



code: 1390054 Production: Water-based Digital Ink – A4 print size on T-shirt 3 minutes curing time: 380 pieces/h 4 minutes curing time: 300 pieces/h 5 minutes curing time: 240 pieces/h 6 minutes curing time: 200 pieces/h colored touchscreen Lcd, easy and interactive Data may change according to fabric material, drying area size and ink curing requirements. design, time and temperature control, air cooled electrical cabinet, technical working parameters, electrical and heating failure reports automatic cooling off light indicator tower, circuit and shutdown breakers for safe reset integrated high performance exhaust fumes extractor exhaust hood with air flow valve and shutter inspection panels, metallic filters, adjustable height of the belt easy to access between 30 to 110mm SPECIAL . Teflon coated fiberglass double belt conveyor optional, heat resistant and heavy duty high yield, low noise, reverse blades adaptable casters with brake heavily insulated mineral wool fiber structure, roller on adaptable cooler workplace bearings, maintenance free anodized aluminium strut bar for and reduced power electric motor, structural strength and lightness consumption optical speed controller high volume heat chamber enhanced airflow



#### Single conveyor belt

Basic configuration



#### Returning conveyor belt

Load and unload in the same position, available as optiona



#### Double conveyor belt

Cure with different time simultaneously

TECHNICAL DATA	TANDEM 950
Power Supply	400V 3P+PE (208V/230V with optional autotrasformer)
Power Consumption <sup>1</sup>	28 kW - 42A
Max Temperature	180°C
Exhaust Specification	360 m³/h - Ø 200 mm
Tunnel Length	4000 mm
Belt Width	950 mm
Production <sup>2</sup> (light-dark)	320 - 200 pieces/h
Dimension <sup>3</sup> (LxWxH)[mm]	6150 x 1250 x 2350
Shipping Weight <sup>3</sup>	1000 kg

convection system

 $<sup>^{\</sup>rm I}$  Max Power consumption during first heating cycle. Working consumption is about 60% of max value, depending on environmental conditions.

<sup>&</sup>lt;sup>2</sup> Production of L size T-shirts with A4 size DTG print - 4 minutes curing time for light garments - 6 minutes curing time for dark garments. Production data consider the loading side by side of I product for 600mm belt, 2 for 950mm, 3 for I200mm and 4 for I900mm belt.

 $<sup>^3</sup>$  Dimension and Weight can change accordingly to inlet/outlet extensions or installed optionals.

## TANDEM 950







**Printing** 



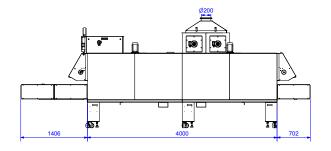


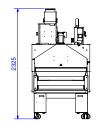


code: 1390054

### FEATURES AND ADVANTAGES

- Specifically designed to cure and dry digital printing on fabrics, the massive advantage of this Dryer is the high volume of forced air circulation: this facilitates and accelerates the evaporation of water-based digital inks with unmatched results on the finished garment in medium-long drying process.
- In the heat chamber the temperature is uniform and constant on both sides and the center, adjusted by a precise thermostat and by a long lasting static relay control system; in this manner the temperature never exceeds the set value, preventing damage even to the most delicate fabrics.
- Heavily insulated mineral-wool fiber structure results in a cooler workplace and cool to the touch external skin. Remarkably it reduces both power consumption and heat dissipation.
- The returning belt conveyor allows the operator to work without having to change his position; the belt conveyor below works at lower temperatures; this improves curing quality and at the same time allows the operator to touch the printed garment without burning risk.
- The double belt conveyor configuration allows to operate simultaneously with two independent curing time. Each belt has its own speed control to be adjusted in relation to the ink or garment need.
- The air exchange is adjusted to discharge steam and promote high volume air circulation. This enanched airflow convection system is designed on purpose and employs high yeld low noise reverse blades.
- Speed, Time and Temperature control are processed digitally for precise and fast adjustments. The automatic cooling off and shutdown can be set on demand to suit different working necessities; dryer technical parameters, real-time energy consumption and alarm notifications are clearly displayed.
- Working height between 30 and 130mm, in order to cure thick garments and objects and achieve a direct jet of air.
- Every lateral panel is removable to speed up maintenance operations and easily reach the filters.
- Move the Dryer anywhere thanks to heavy duty casters with brakes. Level it on any surface adjusting the threaded feet.





Ø200 SCARICO EXHAUST/FUMI
MAX 360 m³h

The data in this document was valid at the time of publishing, and is subject to changhe without notice. Chiossi e Cavazzuti srl reserves the right to modify its products and change their specifications at any time, without prior notice and further obligation. It is forbidden without prior authorization from Chiossi e Cavazzuti srl to copy, modify, alter, publish, distribute, sell or transfer this material. All rights reserved.