

TRIS 950

Modular Electric Dryers with Forced Hot Air
Main Application: DTG Digital Printing - Industrial production

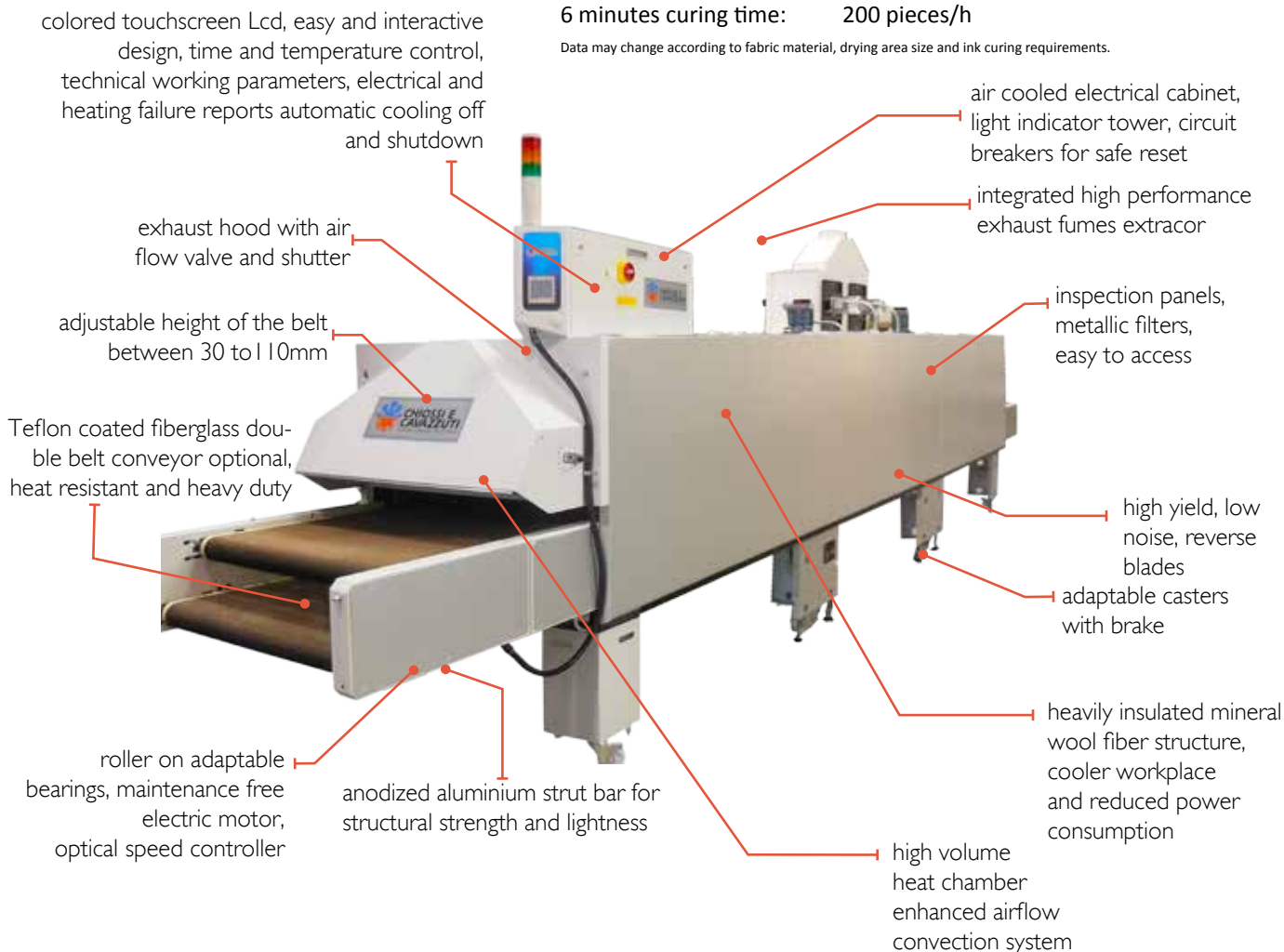


code: **1390023**

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

Data may change according to fabric material, drying area size and ink curing requirements.



Single conveyor belt

Basic configuration



Returning conveyor belt

Load and unload in the same position, available as optional



Double conveyor belt

Cure with different time simultaneously

TECHNICAL DATA	TRIS 950
Power Supply	400V 3P+PE (208V/230V with optional autotransformer)
Power Consumption ¹	42 kW - 66A
Max Temperature	180°C
Exhaust Specification	360 m ³ /h - Ø 150 mm
Tunnel Length	6000 mm
Belt Width [mm]	950
Production ² (light-dark)	280 - 200 pieces/h
Dimension ³ (LxWxH)[mm]	7760 x 1250 x 2300
Shipping Weight ³	1600 kg

¹ Max Power consumption during first heating cycle. Working consumption is about 60% of max value, depending on environmental conditions.

² 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 1 product for 600mm belt, 2 for 950mm, 3 for 1200mm and 4 for 1900mm belt.

³ Dimension and Weight can change accordingly to inlet/outlet extensions or installed optionals.


Hot
Air

DTG
Printing

Screen
Printing

Pad
Printing

Embroidery
Gauze

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 enhanced airflow convection system is designed on purpose and employs high yield 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.

