

# DUAL 1900

Modular Electric Dryers with Forced Hot Air

Main Application: DTG Digital Printing - Industrial production

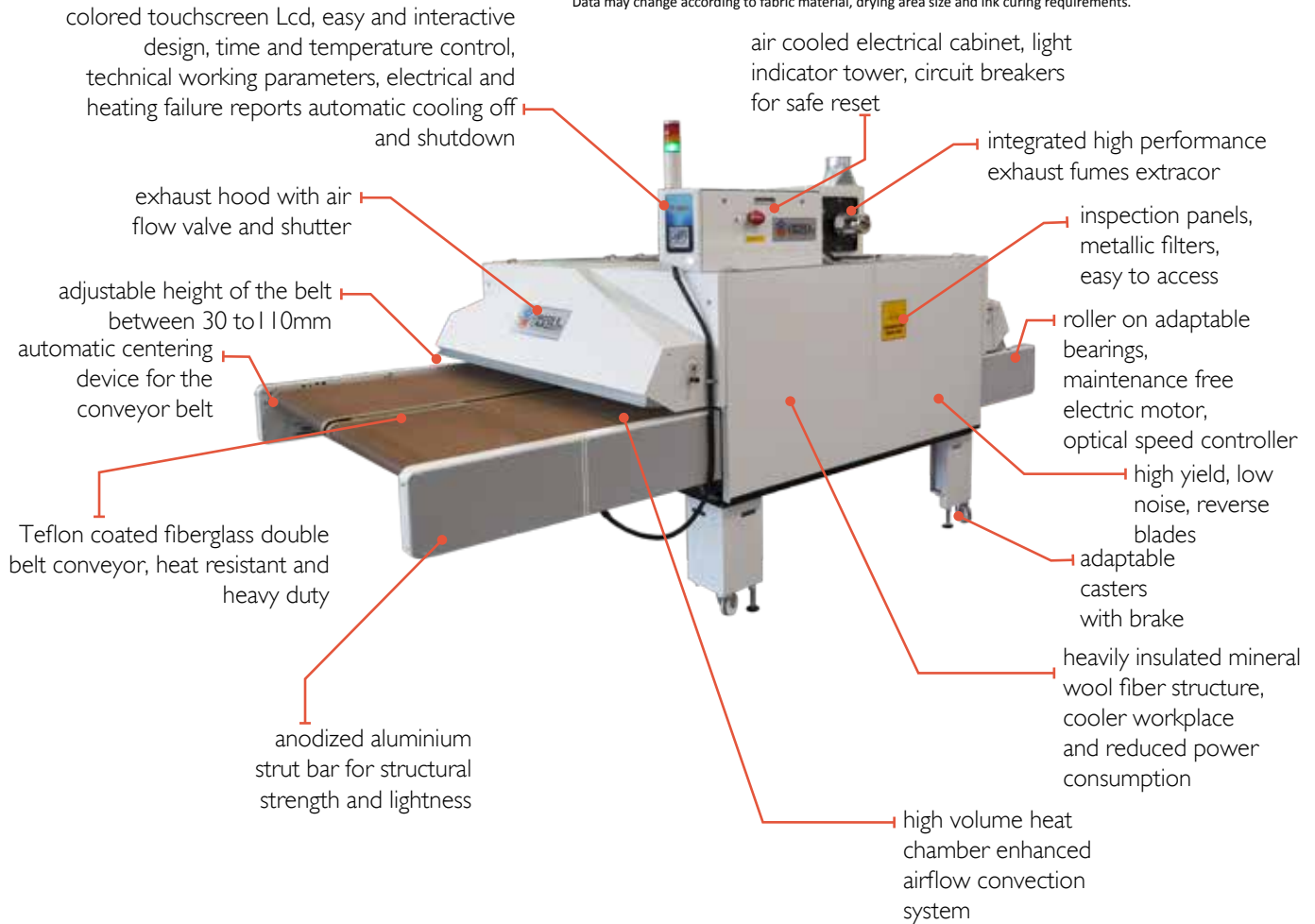


code: **1390043**

**Production:** Water-based Digital Ink – A4 print size on T-shirt

3 minutes curing time: 450 pieces/h  
 4 minutes curing time: 340 pieces/h  
 5 minutes curing time: 270 pieces/h  
 6 minutes curing time: 230 pieces/h

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



TECHNICAL DATA	DUAL 1900
Power Supply	400V 3P+PE (208V/230V with optional autotrasformer)
Power Consumption <sup>1</sup>	29 kW - 42A
Max Temperature	180°C
Exhaust Specification	180 m <sup>3</sup> /h - Ø 150 mm
Tunnel Length	2000 mm
Belt Width [mm]	1900
Production <sup>2</sup> (light-dark)	320 - 200 capi/h
Dimension <sup>3</sup> (LxWxH)[mm]	4150 x 2200 x 2170
Shipping Weight <sup>3</sup>	900 kg

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

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

<sup>3</sup> 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.
- **The Optional Cooling Hood at the outfeed of the Dryer** is an effective cooling system to protect both the operator and delicate products from high temperatures, after the drying process has ended.

