

## The Newest Gas Dryer on the Market

**Main Application:** DTG & Screen Printing

**Max Temperature:** 200°C

**Drying Area:** 4000x1440 mm

Curing Time	Production
3 minutes:	600 pieces/h
4 minutes:	450 pieces/h
5 minutes:	350 pieces/h
6 minutes:	300 pieces/h

Water-based Digital Ink – A4 print size on T-shirt – Data may change according to fabric material, drying area size and ink curing requirements.



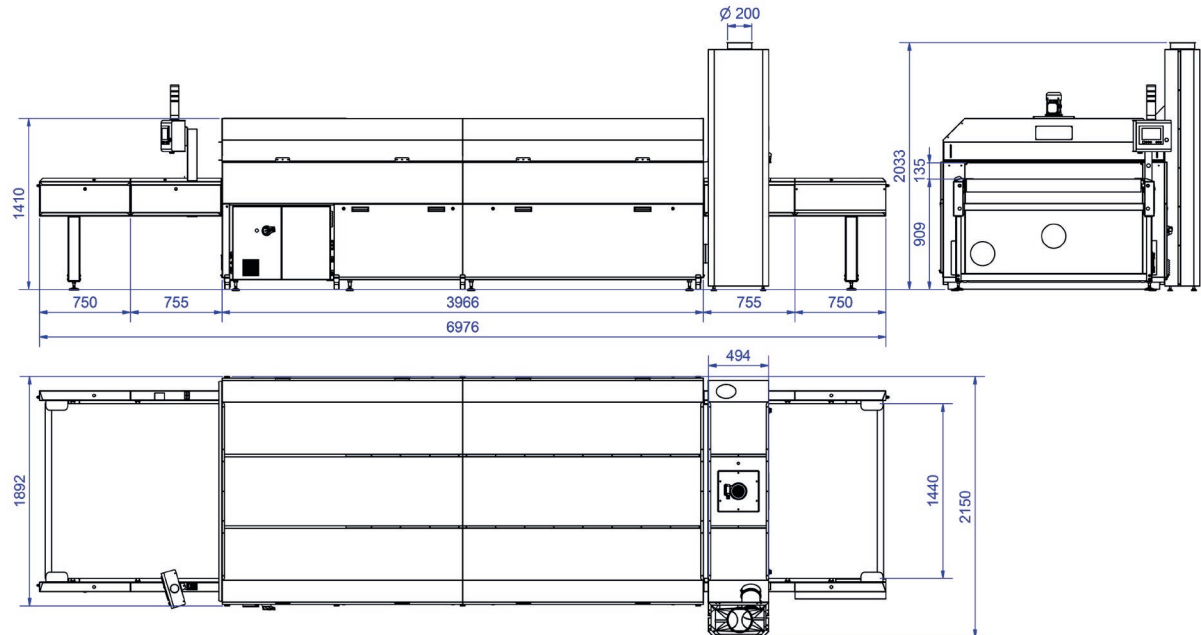
### FEATURES AND ADVANTAGES

- **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. “Griff” is the tunnel dryer with the highest air circulation of its kind.
- **In the heat chamber the temperature is uniform and constant on both sides and the center.** The temperature is regulated by a precision thermostat that drives a modulating premixed burner. The burner is always active and its intensity varies in function of power demand to minimize energy consumption; in this manner the temperature never exceeds the set value, preventing damage even to the most delicate fabrics. 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. Outflow nozzles direct the air onto the product perpendicularly and at high speed.
- **The exhaust fumes extractor is integrated** at the exit of the tunnel and it is calibrated to expel water vapor and combustion fumes, thanks to the enhanced airflow that generates. The tunnel passage height is 130 mm, sufficient for the vast majority of products. It is possible to lift the upper section electronically to easily perform the internal cleaning of the dryer.
- **The upper section of the Dryer can be open electrically** to easily perform maintenance or inspections inside the tunnel. 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.

**INNOVATIVE:** The internal frame, airflow system and insulation panels have been completely re-design, after several years of research and development on the FAHRENHEIT Gas Dryer, to achieve the highest and most efficient forced airflow.

**COMPACT:** The heating chamber is 4 meters long with an overall length of less than 7 meters. Belt width ranges from 1440 and 1800 mm, including the 2x900mm side by side belt configuration. It is the most compact Gas Dryer in the mass production DTG family.

**EFFICIENT:** Thanks to the newest technical improvement on the heavily insulated panels, the energy consumption is minimized and the time to reach working temperature is drastically reduced.



**forced  
hot air  
ventilation**



**temperature  
control  
up to 200°C**



**structure  
heavily  
insulated**



**power  
consumption  
minimized**

TECHNICAL DATA	GRIFF 4140	GRIFF 4180
Electrical Requirements	400V 3P+N+PE 4,8 A	400V 3P+N+PE 4,8 A
Exhaust Fumes Specification	1500 m <sup>3</sup> /h Ø 200 mm	1500 m <sup>3</sup> /h Ø 200 mm
Max Temperature	200°C	200°C
Max Power Consumption	2,5 kw	2,5 kw
Burner Power	40 kw	40 kw
Belt Width [mm]	1440	1800 or 2x900
Tunnel Length [mm]	4000	4000
Production <sup>1</sup>	600 pieces/h	700 pieces/h
Dimension <sup>2</sup> (LxWxH)[mm]	6976x2150x2100	6976x2475x2100
Weight	1800 kg	2000 kg

<sup>1</sup> T-shirt production - A4 print size - 3 minutes curing time  
<sup>2</sup> Overall dimension can change accordingly to infeed/outfeed extensions