

F5900 Super wide flatbed industrial printer



JHF newly released a super wide flatbed industrial printer with optional industrial-grade head, F5900. It delivers multiple layers printing with white or varnish. In addition, its variable ink droplet technology ensures that stunning images can be printed on a variety of media with high speed. F5900 covers wide application fields, including sheet metal processing, architectural ceramics, decorative flooring, packaging paperboard and others. And it realizes the instant delivery of industrial production from customized design to terminal products.

Features

Multi Customized Configurations on Printing

F5900 offers you different configurations on white and varnish as you need with superb adhesion, abrasion resistance and high brightness.

Decreased Compressed Air by 90%

Its negative pressure controlling device reduces the use of compressed air for more than 90%, improving the service life of the air compressor effectively.

Unique Sub-tank Controlling Technology

It prevents the ink leakage in case of sudden outage.

Tri-Negative Pressure Controlling System

It is respectively for white ink, color ink and varnish ink to guarantee the fluidity of every single color of ink and prolong the lifespan of head from clogging and sediment.

Separate Vacuum Absorption Table

F5900 owns 8 separate absorption zones on its vacuum table, in which each zone can be freely controlled based on the size of the substrate, thereby reducing energy consumption.

Multi Layers Printing

Multi-layers with white and varnish can be printed at the same time, right now we can support 5 layers printing.



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Anti-Collision Device

The carriage is equipped with anti-crash media detectors. When the sensor detects the obstructions on the vacuum table, the printer will stop the carriage emergently to prevent damage to the heads and protect personal safety as well.

Auto Height Adjustment

Fully automatic carriage lifting system and customized motor ensure the precise positioning control of the whole platform, which meet printing demand of different heights at any point.

Accurate Stepping and Spot

Installed with dual servo motors for Y-axis and linear-driven motor for X-axis, the misalignment in front and rear sides can be detected, improving the stepping accuracy as well as the table accuracy.

Technical Specifications

Printhead	Kyocera (4C+W)*2 / Ricoh G6 (2 to 8 heads) / Konica Minolta (6PL or 13PL), 6C+W (optional)				
Ink	Environmental UV Ink				
Curing	LED UV Curing				
Printing Speed	Kyocera (4C+W)*2		Ricoh G6 (2 to 8 heads)		KM (6PL or 13PL), 6C+W
	600×1200 dpi	150m ² /h	720×600 dpi	45 m ² /h	540×720 dpi 60 m ² /h
	600×1800 dpi	100m ² /h	720×900 dpi	37 m ² /h	540×1080 dpi 43 m ² /h
	1200×1200 dpi	80m ² /h	720×1200 dpi	28 m ² /h	540×1440 dpi 31 m ² /h
Printing Media	Foam board, Acrylic, Aluminum composite panel, Glass, Wood board and other rigid materials.				
Printing Size	3200 x 2000 mm				
Printing Thickness	60mm				
Max Bearing Weight	50 kg/m ² (uniform loading)				
Interface	PCIE				
Carriage Driven	Linear-driven printhead carriage				
Rip Software	PrintFactory / Caldera (optional)				
Power	Three phase, 380V, 11.5KW				
Working Environment	18 – 28 C, 30 – 70% RH				
Air Pressure	≥8 kg/ cm ²				
Machine Size	5250 mm x 2650 mm x 1500 mm				
Machine Weight	1650 kg				

Application

It can even perform on un-coating or coating rigid media with 1200*1200 dpi output such as corrugated board, PVC, light box sheet, wood board, glass, ceramic tile, metal board, alec board, chevy board, etc.



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