

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) / KM1024a(4C*3+2W)(optional)		
Ink	Environmental UV Ink		
Curing	LED UV Curing		
Printing Speed	Kyocera (4C+W)*2	Ricoh G6 (2 to 8 heads)	KM 1024a(4C*3+2W)
	600×1200 dpi 150m ² /h	720×600 dpi 45 m ² /h	726×720 dpi 115 m ² /h
	600×1800 dpi 100m ² /h	720×900 dpi 37 m ² /h	726×1080 dpi 90 m ² /h
	1200×1200 dpi 80m ² /h	720×1200 dpi 28 m ² /h	726×1440 dpi 60 m ² /h
(the above mentioned speed is based on speed without smooth, radient effect)			
Printing Media	Foam board, Acrylic, Aluminum composite panel, Glass, Wood board and other rigid materials.		
Printing Size	3200 x 2000 mm		
Printing Thickness	60mm(120mm optional)		
Max Bearing Weight	50 kg/m ² (uniform loading)		
Interface	PCIE/Ethernet interface/USB		
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		

Note: Multi-rolls kit, pls kindly note it is optional with extra cost if need to order.

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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