F5900 Super Wide Flatbed Industrial Printer

One Brand Solutions newly released a high quality industrial superwide flatbed UV printer , 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 paperbiard and many more. And it realizes the instant delivery of industrial production from customized designs to terminal products.

Features

Multi Customized Configurations on Printing
F5900 offers you different configurations on white and varnish as you need with superb adhession, abrasion resistance and high brightness.

Decreased Compressed Air by 90%
It is the 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 from leakage in case of sudden outrage.

Tri-Negative Pressure Controlling System
It is respectively for the white ink, color ink and varnish ink to guarantee the fluidity of every single color of ink and prolong the lifespan of printhead from clogging and sediment.
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Separate Vacuum Absorption Table
F5900 has 8 separate vacuum zones on its printing table, in which each zone can be freely controlled based on the size of the substrate, thereby reducing energy consumption.

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

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 immediately to prevent damage to the heads and protect presonnel safety as well.

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.

Technical Specificatons

Prinhead	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	150m²/h	720×600 dpi	45 m²/h	726×720 dpi	115 m²/h
	600×1800 dpi	100m²/h	720×900 dpi	37 m²/h	726×1080 dpi	90 m²/h
	1200×1200 dpi	80m²/h	720×1200 dpi	28 m²/h	726×1440 dpi	60 m²/h

(the above mentioned speed is based on the speed without smoothing gradient 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/m² (unifom loading)
Inteface	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℃ , 30 – 70% RH
Air Pressure	≥8 kg/ cm²
Machine Size	5250 mm x 2650 mm x 1500 mm
Machine Weight	1650 kg

Note: Multi-rolls kit, Please kindly note it is optional with extra cost on order basis.

Application

It can even perform on un-coated or coated 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.