F3900 Super Wide Flatbed Industrial Printer

One Brand Solutions released a new industrial super wide flatbed printer, F3900. 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. F3900 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
F3900 offers you different configurations on white and varnish as you need with superb adhession, abrasion resistance and high brightness.

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.

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.

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.

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

Unique Sub-tank Controlling Technology
It prevent ink from leakage in case of sudden outage.

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 detector. 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 the personnel 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	UV Ink
Curing	LED UV Curing

	Kyocera (4C+W)*2	Ricoh G6 (2 to 8 heads)	KM 1024a(4C*3+2W)
Printing Speed	600×1200 dpi 125 m^2/h	720×600 dpi 41 m^2/h	726×720 dpi 105 m^2/h
	600×1800 dpi 90 m^2/h	720×900 dpi 33 m^2/h	726×1080 dpi 80 m^2/h
	1200×1200 dpi 65 m^2/h	720×1200 dpi 26 m^2/h	726×1440 dpi 55 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	2500 x 1300mm
Printing Thickness	60mm (120mm optional)
Max Bearing Weight	50 kg/m^2 (uniform 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/ cm^2
Machine Size	4560mm x 2090mm x 1390mm
Machine Weight	1350kg

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.