



QUANTUM
DIGITAL TECHNOLOGIES

SPARTAN FB Series

UV Flatbed Printer ***SPARTAN FB-2548***

Unrivalled Quality. Infinite Possibilities.



4 Color+W+V

Table size
2500x4800mm



Max.Print speed 92 sqm/h

Comparison speed : Printing PVC

62 sqm/h

6 pass

46 sqm/h

8 pass

*speed and quality based on SPRINTER inks



Multi-Color options

Customizable Color Combinations

Over 10 options, including C-W, W-C, C-W-C, Embossed textures



Enhanced operability and functions

Option for ball screw platform

4-row RICOH printheads for efficient printing

Ideal for glass printing applications



UV Flatbed Printer

SPARTAN FB-2548



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Model	SPARTAN FB-2548
Printhead	RICOH G5/G6 4 rows
Resolution	600, 900, 1200, 1800, 2400dpi
Color	CMYK, White/Varnish LcLm(option)
Material thickness	0~110mm(4.33in)
Ink curing system	UV LED curing system
Vacuum suction	6 zones
Printing size	Maximum Printing Area / 2500*4800mm (98 x 189 in) Maximum Material Size / 2560*5070mm (101 x 200 in)
Ink	UV LED curable ink
Color validity	3~5 years outdoor and 7~10 years indoor without color fading (use Sprinter ink)
Ink capacity	1.5L drums, automatic alarm for ink volum shortage
Ink supply system	Auto Negative ink supply
Media	Glass, Acrylic, Ceramic, Metal, Paper, Wood, Leather, PVC, PP, PE, PTFE.....
PC Specification	Window7 64bit . RAM≥8G . HDD≥500G . SSD≥128G . CPU≥Inte I5
RIP software	Photoprint /Print Factory/Caldera(option)
Operation environment	Temperature 18°C~ 26°C Humidity 40% ~ 70%
Power supply	Power Maximum: 15.8KW; AC,50HZ/60HZ; 220v(±10%) > 15A
Image format	Tiff,JPEG,EPS,PDF
Dimensions(L x W x H)	4450 x 6400 x 1500mm(175.2 x 251.97 x 59in)
Package dimensions(L x W x H)	5000 x 2300 x 2000mm(196.85 x 90.55 x 78.74in) & 3200 x 2000 x 1500mm
Net weight & Gross weight	(125.98 x 78.74 x 59in) & 3200 x 2300 x 1500mm(125.98 x 90.55 x 59in)
Certification	2420kg(5335lb) & 3740kg(8245lb)

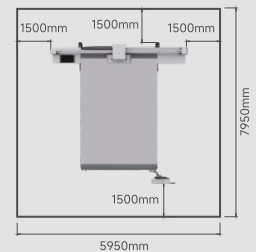
RIP software



Perfect inks: OMNIColor UV

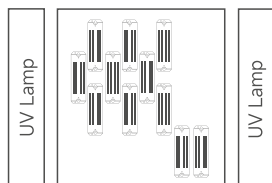


Installation space



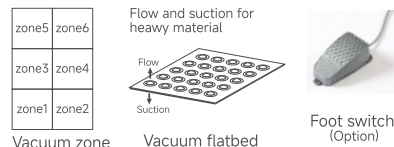
* Notice: above specifications are subject to change without prior notice.

Printhead Soleplate



4 rows Ricoh G5/G6

Vacuum

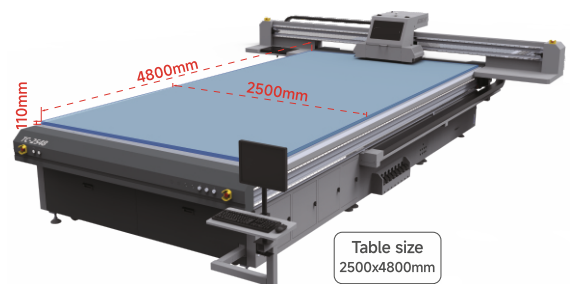


The vacuum area to hold media is divided into two sections in the X direction of the table, and can be adjusted to the media size you use by opening/closing valves.

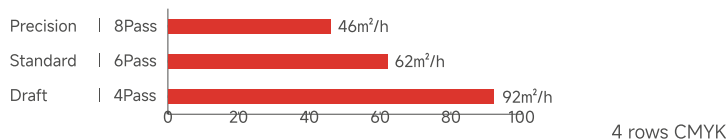
Printing Size

Lineup of three print table sizes to match the application and standard substrate size

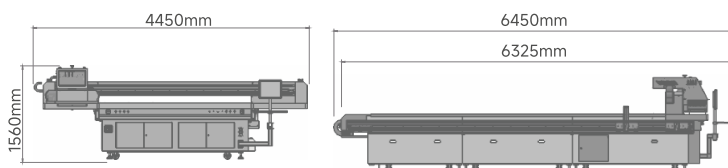
Supports architectural material printing -glass, partitions and plywood



Printing Speed



Dimension



Ink Supplies

Item	Color	Remarks
UV Ink	#6SH3	1L/bottle
	cyan	
	magenta	
	yellow	
	black	
	varnish	
	white	

▲ Ink and substrates:
 • As physical properties of ink (adhesion, weather resistance etc.) are different depending on media, please be sure to have a print test in advance.
 • Depending on the application, primers, other surface treatment or surface protection such as lamination may be necessary.
▲ Safety notice:
 This product is equipped with UV irradiation equipment. Please pay attention to the following notes in order to use safely.
 • Do not look directly into the UV light source nor place your hand, or expose your skin directly to the UV light source.
 • Depending upon print mode, some VOC emission from printed parts not yet cured and hardened may occur.
 • In addition, please be sure to read and follow the instructions and guidelines of the manual carefully.