

PIT UV FB SERIES



HIGH PERFORMANCE AND SUPERIOR QUALITY

PIT UV SERIES is a range of flat bed printers which are aimed to produce images of the highest quality available in the market and with production speeds which are commercially high.

The use of UV inks allows printing on almost any material, rigid or soft. These inks can be used on almost any plastic material, such as PVC, polypropylene, polystyrene, PMMA, polycarbonate, glasspack, cloth, etc and also on glass, metal, wood, ceramics...

PIT UV FB series is a range of UV truely flat bed UV printers. This type of flat bed printers achieve better quality and precision than hybrid printers as the step precision is higher because the material does not move. PIT UV FB range only moves the printhead carriage, thus assuring that the material does not move and also that there are not parts exposed to mechanical movements that can suffer windage.

The machine has very high resolution printheads. These printheads have two lines of nozzles with a stagger array. With those, we can reach resolutions of up to 1440 dpi.

What are our main advantages?

- *Control system:* based on a raster oriented FPGA and embedded technology, the data from the PC can be received accurately and therefore, transmit the information to the printer at very high speeds.

- *Vacuum table*: a powerful vacuum table maintains the material completely flat and free of movement, eliminating one of the most important factors for the production of high quality prints.
- *Height*: The normal configuration can print on materials of up to 40mm, but as an option, a configuration to print materials of up to 100mm thickness.
- *Stability of ink supply*: the machines use a negative pressure ink supply under closed loop control to ensure the stability of ink supply.
- *Media detection and location*: the use of photoelectric detect technology allows detecting the position of the media to be printed and locates an initial starting point to guarantee the precision of repetitive prints.
- *Printhead automaintenance*: in order to keep the the printheads at its best state a positive pressure ink spraying is applied
- *Ink*: extensive and intense testing has led to obtain one of the best inks available on the market.
- *White ink and spot colours*: white, spot colours or varnish can be incorporated to the machine under customer request.
- *Feeding and delivery options*: customized solutions can be designed for every application
- *Table size*: The table can be made, under request, to the desired size.

DIFFERENT CONFIGURATIONS

Model	PIT-UV-XY-4 or 5	PIT-UV-XY-8 or 10
Media type	Advertising rigid and soft media, PVC, banner, mesh, polypropylene, glass, metal, ceramics, polystyrene, methacrylate, acrylics, etc.	
Size	1200x2400mm; 1800x2400mm; 1800x3000mm; other size under request	
Technology	Piezoelectric, drop on demand	
Resolution	720 dpi; up to 1440 dpi	
Max. height	Up to 100 mm	
Ink	UV curable ink; CMYK and white. Optional varnish and spot colours: cyan, red, orange and violet	
Printing speed	4 pass: 18 m ² /h 8 pass: 10 m ² /h	4 pass: 36 m ² /h 8 pass: 20 m ² /h
File format	TIFF, JPG, RTL, BMP, EPS...	
Output joggle	FPGA	
RIP	Photoprint PIT Special Edition	
Conditions	Temperature: 20-30°C	
Dimensions	3180x2750x1215mm; 3180x3380x1215mm; 3580x3380x1215mm	
Feeding and delivery	Special devices for automatic feeding and take-out can be prepared under request.	