

Alpha UV6090 MAGIC

UV Flatbed Printer

Print Bold. Print Brilliant. Print Beyond.



Innovating Print. Empowering Business.

Alpha UV 6090 Magic

Alpha 6090 Magic is engineered for superior performance and print precision — an upgraded, refined UV printer built for serious production.

This best-in-class machine packs advanced features missing in earlier models, delivering the power users always wanted.

Economical to own and operate, Alpha ensures a fast ROI while effortlessly managing mid to high-volume UV printing across advertising, signage, gifting, packaging, and décor.



Auto Up Down

Support Max 30cm
Thickness Rigid Material

KEY FEATURES:

Featuring dual-array PrecisionCore® TFP® printheads, Alpha delivers unmatched performance, scalability, and precision — redefining what's possible in production printing.

Engineered for speed and accuracy, it ensures superior image quality with low-vibration meniscus control, precise dot placement, and reduced maintenance via ink-repellent coating.

With 1600/3200 nozzles and stable jetting, Alpha harnesses Epson's advanced technology to produce razor-sharp images and seamless gradients for high-demand applications.

Print Productivity:

Speed Data	i3200U1x 3 heads	i1600U1 x 3 heads
Fast Mode (4 pass)	4.50 sqm	2.50 sqm
Production Mode (6 pass)	3.30 sqm	1.90 sqm
Quality Mode (8 pass)	2.25 sqm	1.25 sqm



Rotary Jig (Optional):

Print on cylindrical objects like bottles, flasks, etc using the optional rotary jig.

Compact and versatile -

The printer design is compact, and Alpha does not lack in terms of versatility. It handles a wide variety of substrates ranging from Metal, Plastic, Glass, Wood, Ceramic, Acrylic, Leather etc.

Feature rich Software

Alpha comes with feature rich, easy to use, popular SAi Photoprint RIP software. RIP Software can be upgradeable to meet demanding requirements. Easily manage print speeds, color modes and cleaning intervals from powerful print control software.



Helios Business Systems L.L.C.

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Key advantages:

- White Ink stirring to avoid ink precipitation. Ensures better life for printhead.
- Ink Tank with Alarm system to notify the user about ink refilling.
- Continuous Ink Supply System offers low cost of production.
- It can handle substrates up to 300mm thickness.
- Vacuum pump generates good vacuum power, to hold materials intact during printing.

Technical Parameters

Print Control	
Make and Model	Alpha UV6090 Flatbed Printer
Print head Technology	Epson i3200U1 I i1600U1
Max. Print Head Resolution	1800 dpi
Max. Print area	600 mm x 900 mm
Max. Print height	300 mm
Print Speed (As per availability data, with 3 heads)	
Production, 4 Pass	4.50 m ² / hour + I 2.50 m ² / hour +
Quality, 6 Pass	3.30 m ² / hour+ I 1.90 m ² / hour +
High Quality, 8 Pass	2.25 m ² / hour+ I 1.25 m ² / hour +
Ink type	UV ink (Up to 6 Colours – CMYK + White + Varnish) , Foil V optional (with 4 heads)
Ink Supply	Continuous Ink Supply System (500 ml/bottle)
White Ink Feature	Automatic Stirring
Media handling	Flat & Cylindrical (With Rotary Attachment)
Max. Media Weight	40 KG
Print Material Types	Metal, Plastic, Glass, Wood, Ceramic, Acrylic, Leather etc.
Interface, Operating System	USB 3.0, Windows 10
RIP software	Photo Print (proprietary version)
File Formats	PDF, JPG, TIFF, EPS, AI, etc
Operating environment	Temperature 20°C – 28°C, Relative humidity – 40 ~ 60%
Power	220~240V, AC 50/60Hz, 950 W
Gross Weight	450 KG
Printer Dimensions W*D*H	1550 * 1850 * 1400 mm

Key Applications - UV Print



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Key Applications - UV DTF



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