EU2-1000MF

Large-Format Flatbed UV Printer

Direct to Board Printing

Built for High-Output Rigid Production



LED-UV FLATBED

DIRECT-TO-BOARD PRINTING

4 OR 6 PRINTHEADS

A smarter way to produce rigid boards

- Print directly onto rigid boards without roll printing, laminating or mounting, simplifying production and reducing unnecessary handling.
- Eliminate intermediate finishing stages that increase labour, production time and the potential for costly errors.
- Support repeat panel work with stable, consistent output across daily production runs.

Engineered for dependable production

- Staggered four- or six-printhead architecture supports stable, repeatable panel output.
- A new generation platform delivers up to 1.5× faster print speeds while maintaining output stability.
- Stabilised curing and automated media control support reliable production across long print runs.

UV inks designed for production environments

- E-US and EUV-H UV inks are available in CMYK, White and Gloss for versatile direct-to-board printing.
- Economical ink performance helps support controlled running costs in production environments.
- GREENGUARD Gold certified formulations support the production of graphics suitable for indoor environments.

Roland

Additional Features

+ VersaWorks 7 RIP software included, preparing accurate print data for dependable production workflows.
+ Large flatbed print area supports boards up to 1,220 × 2,440 mm, enabling full-size panel production in a single process.
+ Media support up to 95 mm thickness and 45 kg/m² weight, accommodating a wide range of rigid substrates.
+ Integrated safety systems, including gantry detection beam and four-corner emergency stop controls.

Technical Specs

		EU2-1000MF
Printing method		Piezo ink-jet method
Media	Width	Max. 2,440 mm (96 in.)
	Length	Max. 1,220 mm (48 in.)
	Thickness	Max. 95 mm (3.74 in.)
	Weight	Max. 45 kg/m2 (99 lb./m2)
Maximum printing width/length (*1)		Max. 2,440 mm x 1,120 mm (96 in. x 44 in.)
Ink	Type	E-US 1,000 ml bottle; EUV-H 1,000 ml bottle
	Colors	**E-US** Six colors (cyan, magenta, yellow, black, white, gloss) Four colors (cyan, magenta, yellow, black) **EUV-H** Six colors (cyan, magenta, yellow, black, white, gloss) Five colors (cyan, magenta, yellow, black, white) and primer Four colors (cyan, magenta, yellow, black)
	Tank capacity	2.5 L
Ink-curing unit		Built-in UV-LED lamp
Printing resolution (dots per inch)		Max. 720 dpi x 1,200 dpi
Connectivity		Ethernet 1000BASE-T for control PC only
Power requirements		AC 220 V, 50/60 Hz, 32 A
Power consumption	During operation	Approx. 5,900 W
Acoustic noise level	During operation	80 dB (A) or less
Dimensions (Width x Depth x Height)		4,750 mm x 2,100 mm x 1,470 mm (188 in. x 83 in. x 58 in.)
Machine occupation dimensions		7,000 mm × 5,000 mm or more (276 in. x 197 in. or more)
Weight		1,300 kg (2,870 lb.)
Environment	During operation	Temperature: 18 to 25 °C (64.4 to 77 °F), humidity: 40 to 70 %RH (no condensation)
Included items		Power cord, user's manual (to download), RIP software (to download), goggles, etc.

*1 The maximum printing area can be extended up to 2,440 mm × 1,220 mm (96 in. × 48 in.).