



VersaUV

LEF2-300 / 200

Benchtop UV Flatbed Printer

Benchtop UV Flatbed Printers Expand Your Imagination

With superior ease of use and efficiency, you can print brilliant color and realistic textures for amazingly lifelike graphics plus premium finishes including simulated embossing on almost anything. Now available in a choice of 20 or 30 inch print widths in a stylish form factor, the LEF2 series will redefine your business.



One-of-a-kind Cosmetic Items



Leather Sandals



Wooden Gift Box

Print Directly on a Wide Range of Materials

Unlike other inkjet printers, the LEF2 series employs UV-LED lamps to instantly cure ink on the surface of material with UV light, allowing you to print directly onto PVC and plastics, canvas, wood, leather, fabric, and more. Now the addition of Primer ink opens up the possibility of printing on an even wider variety of materials.

* For best primer results, it is strongly recommended that users test for adhesion on specific substrates prior to final production.



Fabric Panel



Cup and Coaster



Lamp Shade

From Hard to Soft Materials and From Flat to Curved Objects

Capable of stretching around the most complex corners and curves as well as printing on soft materials such as leather and fabric, advanced Roland ECO-UV ink formulations are designed for both flexibility and beautiful imaging. Materials up to 100 mm (3.94 in.) thick can be loaded, and a height tolerance of 2mm facilitates printing on irregular and curved objects.



Prototypes



True-to-Life Prints Created by Exceptional Image Quality and Special Effects

With the VersaUV LEF2 series, you can produce photos, graphics and finely-detailed text with unmatched print quality. In addition, the LEF2 series enables printing amazingly lifelike textures and simulated 3D embossing as well as gloss and matte finishes by overprinting multiple layers of Clear ink and changing the timing of UV light irradiation. In addition to CMYK and Clear inks, White ink is also available to ensure that colors pop on dark or clear substrates.



Roland Texture System Library

The LEF2 series offers 72 ready-to-use texture patterns



A Choice of Productivity and Printing Areas

The LEF2 lineup includes two models with different work sizes and printing speeds. Choose the one that best suits your work volume and the size of the material you wish to print.

LEF2 series throughput

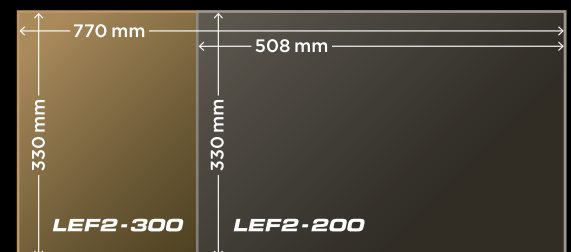
CMYK High Quality [12 pass]

LEF2-300	1.39 m ² /h
LEF2-200	0.98 m ² /h

CMYK Standard [12 pass]

LEF2-300	2.26 m ² /h
LEF2-200	1.37 m ² /h

LEF2 series print area



Intuitive VersaWorks 6 Ensures Efficient Production



The LEF2 series includes the latest VersaWorks 6 RIP & Print management software equipped with a user-friendly menu of functions to maximize performance so that high-quality printing can be performed immediately after installation. You can automatically generate White, Clear (gloss) and Primer ink layers directly in the RIP software. The Color Matching function ensures consistent color between multiple same-model printers so you can produce reliable, high-volume work.*

* Valid only when using the same model printers with the same ink type and configuration. Files must be printed with the same print settings including "Media Type" and "Print Quality."

More Efficient Reprinting

The LEF2 series adopts a "the Multiple Print function" that can perform continuous printing efficiently. Previously, when printing the same data continuously, it was necessary to send print data from the included software each time when loading materials. Now with the Multiple Print function, you can perform the next print just by pressing the start button on the machine without returning to the software.

Monitor Operation Status in Real Time

"Roland DG Printer Status Monitor" supports smart printing operations so you can instantly check the operation status of multiple printers, including printing, waiting, and emergency stop errors on a monitor.

[Supported models] VersaUV LEF / LEF2 series

Print Just One or Many

With the LEF2 series, you can print several items or as few as one at a time on demand. This important feature gives you the versatility to create prototypes, check the finish of a printed image, produce a special one-of-a-kind gift, or print a small volume of items in-house.

Specifications			
Model		LEF2-300	LEF2-200
Printing method		Piezo ink-jet method	
Attachable objects to be printed on	Width	Max. 800 mm (31.5 in.)	Max. 538 mm (21.2 in.)
	Length	Max. 360 mm (14.2 in.)	Max. 360 mm (14.2 in.)
	Thickness	Max. 100 mm (3.94 in.)	Max. 100 mm (3.94 in.)
	Weight	Max. 8 kg (18 lb.)	Max. 5 kg (11 lb.)
Maximum printing width/ printing length		Max. 770 (width) × 330 (length) mm (30.3 × 13 in.)	Max. 508 (width) × 330 (length) mm (20 × 13 in.)
Ink	Type	ECO-UV (EUV4) 220 ml cartridge, ECO-UV (EUV4) 500 ml cartridge (White ink is not available in 500 ml cartridges.)	ECO-UV (EUV, EUV4) 220 ml cartridge
	Colors	Six colors (cyan, magenta, yellow, black, white, and gloss × 2) Six colors (cyan, magenta, yellow, black, white, and gloss) and primer	Five colors (cyan, magenta, yellow, black, and white) Five colors (cyan, magenta, yellow, black, and white) and primer Six colors (cyan, magenta, yellow, black, white, and gloss)
Ink-curing unit		Built-in UV-LED lamp	
Printing resolution		Max. 1440 dpi	
Distance accuracy *		±0.3 mm (±11.8 mil) or ±0.3% of the specified distance, whichever is greater	±0.3% of distance traveled or ±0.3 mm (±11.8 mil), whichever is greater
Position reproducibility *		±0.2 mm (±7.9 mil) or ±0.1% of the specified distance, whichever is greater	—
Connectivity		Ethernet (10BASE-T/100BASE-TX, automatic switching)	
Power-saving function		Automatic sleep feature	
Power requirements		AC100 to 240 V ± 10%, 2.1 A, 50/60 Hz	AC100 to 240 V ± 10%, 1.8 A, 50/60 Hz
Power consumption	During operation	Approx. 178 W	Approx. 149 W
	Sleep mode	Approx. 18 W	Approx. 13 W
Acoustic noise level	During operation	60 dB (A) or less	
	During standby	49 dB (A) or less	
Outer dimensions		1,560 (W) × 955 (D) × 576 (H) mm (61.4 [W] × 37.6 [D] × 22.7 [H] in.) [When the ink-cartridge tray is attached; 1,866 × 955 × 576 mm (73.5 × 37.6 × 22.7 in.)]	1,202 (W) × 962 (D) × 549 (H) mm (47.3 [W] × 37.9 [D] × 21.6 [H] in.)
Weight		144 kg (317.5 lb.)	110 kg (242.5 lb.)
Environment	During operation	Temperature: 20 to 32°C (68 to 90°F) (22°C (72°F) or higher recommended), Humidity: 35 to 80% RH (no condensation)	
	Not operating	Temperature: 5 to 40°C (41 to 104°F), Humidity: 20 to 80% RH (no condensation)	
Included items		Power cord, software RIP, cleaning liquid, drain bottle, manuals, etc.	

* Temperature for LEF2-300 is 23°C (73°F) and for LEF2-200 is 25°C (77°F). Humidity: 50% RH

VersaWorks 6 System Requirements	
Operating System	Windows® 10 (32/64-bit), Windows® 8.1 (32/64-bit), Windows® 7 Ultimate / Professional (32/64-bit)
CPU	Intel® Core™ 2 Duo, 2.0 GHz or faster recommended
RAM	2 GB or more recommended
Video card and monitor	A resolution of 1,280 x 1,024 or more
Free hard-disk space	40 GB or more recommended
Hard-disk file system	NTFS format
Optical drive	DVD-ROM drive
Other	Internet connection recommended

Options		
	Model	Description
ECO-UV Ink	EUV-CY/EUV4-CY	Cyan, 220 ml
	EUV-MG/EUV4-MG	Magenta, 220 ml
	EUV-YE/EUV4-YE	Yellow, 220 ml
	EUV-BK/EUV4-BK	Black, 220 ml
	EUV-WH/EUV4-WH	White, 220 ml
	EUV-GL/EUV4-GL	Gloss, 220 ml
	EUV4-5CY	Cyan, 500 ml
	EUV4-5MG	Magenta, 500 ml
	EUV4-5YE	Yellow, 500 ml
	EUV4-5BK	Black, 500 ml
Cleaning liquid	EUV4-5GL	Gloss, 500 ml
	EUV-PR*1	Primer, 220 ml
	SL-CL	220 ml
Vacuum table*2	VT-200 for LEF2-200	

*1 Primer ink adhesion may vary depending on substrate and conditions. Testing ink adhesion prior to production is recommended. *2 Vacuum table is standard feature of LEF2-300.

Optional Deodorizing System



LEF2-300

An optional deodorizing system is available for the LEF2 series. This includes an activated carbon filter which effectively removes the odor and volatile substances that occur during printing. This unit can be placed easily underneath the LEF2 series.

Expand Your Print Business with Our Laser Engraver

With the addition of our Laser Engraver LV-290/180, you can easily cut or engrave UV-printed plastic sheets. The breadth of applications you can produce can be greatly expanded to realize a highly profitable printing business.



This device is capable of printing on a wide variety of substrates. However, the print quality or the ink adhesion may vary according to the substrate used and it is strongly recommended to test the substrate for compatibility to ensure optimal print results.



Vaporized components may slightly irritate the eyes, nose and/or throat during and following printing with this product. If continuously printing in a closed space, the density of volatile compositions will accumulate and may irritate the eyes, nose and /or throat. Roland DG strongly recommends that you install a ventilation system and use this product in a well-ventilated room. For more information, please contact your local distributor or dealer.

About White Ink Due to the nature of white ink, the pigment will settle in the cartridge and ink flow system, requiring you to shake the cartridge before each use.

Roland DG reserves the right to make changes in specifications, materials or accessories without notice. Actual output may vary. For optimum output quality, periodic maintenance to critical components may be required. Please contact your Roland DG dealer for details. No guarantee or warranty is implied other than expressly stated. Roland DG shall not be liable for any incidental or consequential damages, whether foreseeable or not, caused by defects in such products. PANTONE® is the property of Pantone LLC. All other trademarks are the property of their respective owners. Reproduction or use of copyrighted material is governed by local, national, and international laws. Customers are responsible for observing all applicable laws and are liable for any infringement. Roland DG Corporation has licensed the MMP technology from the TPL Group.