Travel Trunk

Leather Sandals

Wooden Gift Box

Lamp Shade

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. As well as CMYK and Clear inks, White ink is also available to ensure that colors pop on dark or clear substrates.
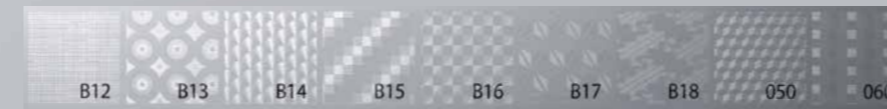
Ink combinations

CMYK + Clear + White   CMYK + Primer + White   CMYK + White + White

Roland Texture System Library   **The LEF2 series offers 72 ready-to-use texture patterns**

B12   B13   B14   B15   B16   B17   B18   050   060

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

A Choice of Productivity and Printing Areas

The LEF2 lineup includes three 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.
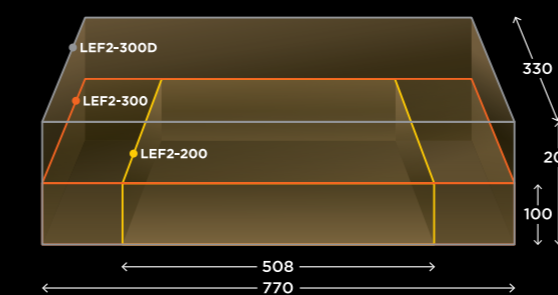
LEF2 series throughput

CMYK High Quality [12 pass]		CMYK Standard [12 pass]	
LEF2-300D LEF2-300	1.39 m²/h	LEF2-300D LEF2-300	2.26 m²/h
LEF2-200	0.98 m²/h	LEF2-200	1.37 m²/h

LEF2 series print area (mm)

LEF2-300D
LEF2-300
LEF2-200
330
200
100
508
770

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. With the LEF2-300/200, materials up to 100 mm (3.94 in.) thick can be loaded, and a height tolerance of 2 mm facilitates printing on irregular and curved objects. Furthermore, the new LEF2-300D supports a maximum thickness of 200 mm (7.87 in.) in the height direction, allowing you to print not only on thicker materials, but also on a wider variety of shapes by incorporating a more diverse assortment of jigs.

Prototypes

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.

Intuitive VersaWorks 6 Ensures Efficient Production

VersaWorks

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

Roland

VersaUV

LEF2-300D / 300 / 200
Benchtop UV Flatbed Printer

Is It Real or Printed?

Benchtop UV Flatbed Printers Expand Your Imagination

With superior ease 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 three models featuring different work areas and heights in a stylish form factor, the LEF2 series will redefine your business.

VersaUV

LEF2-300D / 300 / 200
Benchtop UV Flatbed Printer

LEF2-200
LEF2-300
LEF2-300D

VersaUV LEF2-300D / 300 / 200

Specifications

Model		LEF2-300D	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. 200 mm (7.87 in.)[*1]	Max. 100 mm (3.94 in.)	Max. 100 mm (3.94 in.)
	Weight	Max. 8 kg (18 lb.) (When using a spacer table: Max. 2 kg (4.4 lb.))	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 (EUV, 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[*2]		±0.3 mm (±11.8 mil) or ±0.3% of the specified distance, whichever is greater		
Position reproducibility[*2]		±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) × 676 (H) mm (61.4 [W] × 37.6 [D] × 26.6 [H] in.) [When the ink-cartridge tray is attached: 1,866 × 955 × 676 mm (73.5 × 37.6 × 26.6 in.)]	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		166 kg (366 lb.)	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.		

*1 Use a spacer table for printing targets with a thickness of 0 to 100 mm (0 to 3.94 in.).
*2 Temperature for LEF2-300 and LEF2-300D 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 × 1,024 or more recommended
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
	EUV4-5GL	Gloss, 500 ml
	EUV-PR[*1]	Primer, 220 ml
Cleaning liquid	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 and LEF2-300D.

Optional Deodorizing System

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.

LEF2-300

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.

Imagine. **Roland**

AUTHORIZED DEALER:

March, 2020

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