VersaUV

LEF2-300 / 200

benchtop UV flatbed printers

ADVANCED VERSATILE & PRODUCTIVE CUSTOMISATION

Direct to object uv-led flatbed printers

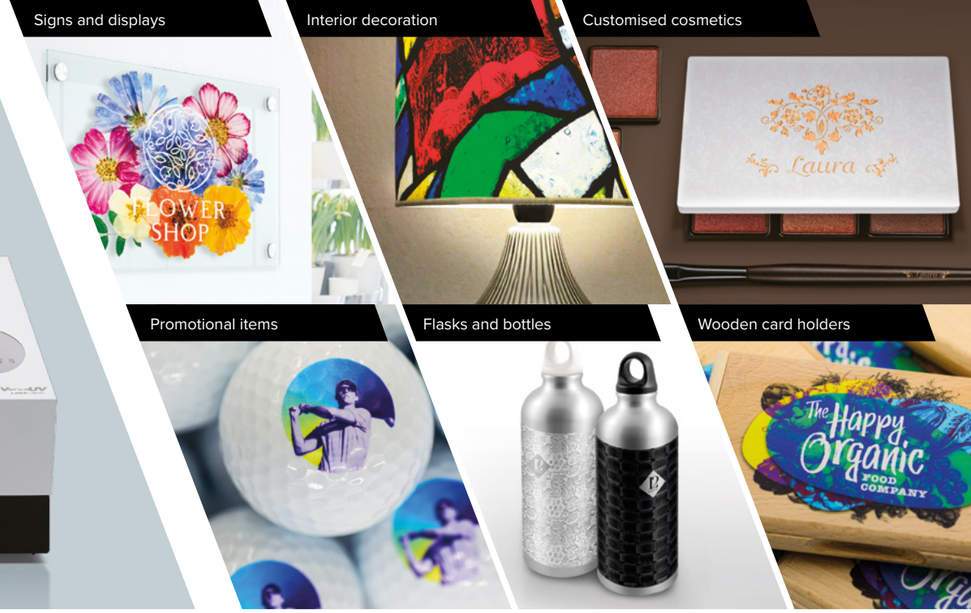
Roland

ADVANCED VERSATILE & PRODUCTIVE CUSTOMISATION

INTRODUCING THE LEF2-300 AND LEF2-200 DIRECT TO OBJECT UV-LED FLATBED PRINTERS

Your customers want something unique. Give them something extraordinary with the VersaUV LEF2 series: the latest generation of Roland's award-winning benchtop UV printers. Simple to operate and packed with potential, the LEF2 series enables direct printing onto a huge range of materials and objects up to 100mm thick – producing stunning colour, realistic textures and stylish embossed effects.

Choose **LEF2-200** (508mm w x 330mm l) for versatile product personalisation.
Choose **LEF2-300** (770mm w x 330mm l) for higher volume customisation.



TRUE-TO-LIFE PRINTS WITH EXCEPTIONAL IMAGE QUALITY AND SPECIAL EFFECTS

With the VersaUV LEF2 series you can print photos, graphics and finely-detailed text with stunning quality. Plus, create lifelike textures, simulated 3D embossing and Braille text, as well as gloss and matt finishes, on a huge range of substrates and objects. White ink is also available to print as a base layer, for vivid colours that pop on dark, coloured or clear media.

Ink combinations LEF2-200

CMYK + Gloss + White
CMYK + Primer + White
CMYK + White + White

Ink combinations LEF2-300

CMYK + Primer + Gloss + White
CMYK + Gloss + Gloss + White

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

FROM HARD TO SOFT MATERIALS, FROM FLAT TO CURVED OBJECTS

Capable of stretching around 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. The VersaUV LEF2 series also supports an optional rotary axis jig for printing onto bottles and other cylindrical objects.

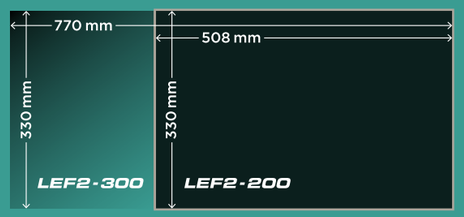
PRINT DIRECTLY ONTO A WIDE RANGE OF MEDIA

Low-temperature UV-LED lamps instantly cure ink on the surface of material, allowing you to print directly onto PVC and plastics, canvas, wood, leather, fabric, and more[1]. Optional on-board Primer provides increased adhesion on substrates such as acrylic and glass[2] and a vacuum table holds thin and tricky-to-handle media in place[3].

A CHOICE OF PRODUCTIVITY AND PRINT AREAS

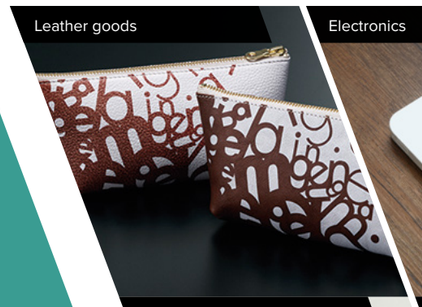
The LEF2 lineup includes two models with different work sizes and print speeds so you can choose the one that best suits your work volume and the size of the substrate or objects you want to print.

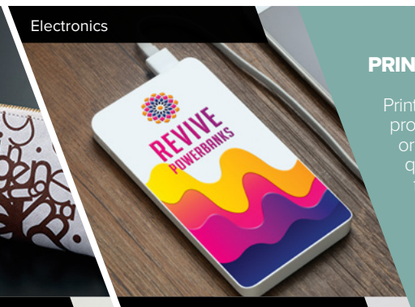
LEF2 series print area



LEF2 series throughput

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





PRINT JUST ONE OR MANY – ON DEMAND

Print several items or just one at a time, on demand. Create prototypes, check the finish of a printed image, produce unique gifts, or print volume runs of customised items. The fully-enclosed cover, quiet, clean operation and stylish design make the LEF2 series ideal for use in retail locations, production print rooms, design studios and manufacturing environments.

HIGH QUALITY OUTPUT, PERFORMED EASILY AND EFFICIENTLY

With a host of intuitive features and advanced functions to simplify high quality print jobs. Including:

- **Start Timer Function** Set a time for your LEF2 to automatically complete set-up procedures so you can start printing as soon as your materials are loaded.
- **Multiple Print Function** When printing the same data continuously, you can perform the next print job just by pressing the start button on the machine, without returning to the software.
- **Roland DG Printer Status Monitor** The LEF2 supports smart printing operations so you can manage your print production remotely.

POWERFUL VersaWorks 6 RIP SOFTWARE INCLUDED

VersaWorks 6 RIP software is equipped with a user-friendly menu of advanced functions to maximise performance. Automatically generate White, Clear (gloss) and Primer ink layers directly in the RIP software for streamlined production. Accurately match colours when producing high-volume work or using multiple LEF2 printers[4].

VersaWorks

COMPATIBLE WITH COTODESIGN SOFTWARE

When combined with cotodesign, Roland's latest design and print management software, the LEF2 series becomes a complete design-order-print solution for the in-store customisation of gift items and apparel[5].

cotodesign

VersaUV LEF2-300 / 200

Specifications

Model		LEF2-300	LEF2-200
Printing method		Piezoelectric inkjet	
Media	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. 5kg (11 lb.)
Maximum printing width / printing length		Max. 770 (w) × 330 (l) mm (30.3 × 13 in.)	Max. 508 (w) × 330 (l) mm (20 × 13 in.)
Ink	Type	ECO-UV (EUV4) 220 cc cartridge, ECO-UV (EUV4) 500 cc cartridge (White ink is not available in 500 cc cartridges.)	ECO-UV (EUV, EUV4) 220 cc cartridge
	Colour	Six colours (Cyan, Magenta, Yellow, Black, White and Gloss × 2) Six colours (Cyan, Magenta, Yellow, Black, White and Gloss) and Primer	Five colours (Cyan, Magenta, Yellow, Black and White x 2) Five colours (Cyan, Magenta, Yellow, Black and White) and Primer Six colours (Cyan, Magenta, Yellow, Black, White and Gloss)
Ink-curing unit		Built-in UV-LED lamp x 2	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 travelled 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	
Other dimensions		1560 (W) × 955 (D) × 576 (H) mm (61.4 × 37.6 × 22.7 in.)[When the ink cartridge tray is attached: 1866 × 955 × 576 mm (73.5 × 37.6 × 22.7 in.)]	1202 (W) × 962 (D) × 549 (H) mm (47.3 × 37.9 × 21.6 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		VersaWorks 6 RIP software, power cable, 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

Specifications, designs and dimensions listed may be subject to change without notice.

Options

	Model	Description
ECO-UV Ink	EUV-CY/EUV4-CY	Cyan, 220 cc
	EUV-MG/EUV4-MG	Magenta, 220 cc
	EUV-YE/EUV4-YE	Yellow, 220 cc
	EUV-BK/EUV4-BK	Black, 220 cc
	EUV-WH/EUV4-WH	White, 220 cc
	EUV-GL/EUV4-GL	Gloss, 220 cc
	EUV4-5CY	Cyan, 500 cc
	EUV4-5MG	Magenta, 500 cc
	EUV4-5YE	Yellow, 500 cc
	EUV4-5BK	Black, 500 cc
	EUV4-5GL	Gloss, 500 cc
	EUV-PR*1	Primer, 220 cc
Cleaning liquid	SL-CL	220 cc
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.

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 1280 x 1024 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

Notes from the internal pages

[1] Ink adhesion results may vary depending on the substrate and printing conditions. For best results, test print before final production. [2] For best primer results, it is strongly recommended that users test for adhesion on specific substrates prior to final production. [3] Built-in vacuum table with the LEF2-300. Optional vacuum table available for the LEF2-200. [4] 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." [5] cotodesign is compatible with VersaUV LEF range, VersaSTUDIO BT-12/BN-20, METAZA MPX-95, GS-24 and LD-80.

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.

Expand Your Print Business with Our Laser Engraver
With the addition of our Laser Engraver LV-290/180, you can easily cut or engrave a range of UV-printed substrates, including acrylic, 2-ply laminate, wood, leather and more. Expand the breadth of applications you can produce for maximum profit potential.

Optional Air Filtration System
An optional air filtration system is available for the LEF2 series. This includes an activated carbon filter which effectively removes the odour and volatile substances that occur during printing. This unit can be placed easily underneath the LEF2 series.

Optional Vacuum Table
The optional vacuum table is ideal for efficiently and accurately securing thin materials and delicate media such as PVC and PET films, acrylic boards (max 3mm thick), leather and more, for stable printing and high-quality results. Optional table for LEF2-200. LEF2-300 features built-in vacuum table.

Optional Rotary Axis
The LEF2 series also supports an optional rotary axis jig for printing onto bottles and other cylindrical objects.

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.

Vaporised 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.

Roland Care Warranty

Roland DG Care

Enjoy the peace of mind of having one of the most comprehensive warranty packages in the industry, included with the VersaUV LEF2 series.

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.

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