VersaUV
LEF-200

Roland

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LEF-200

DIRECT TO OBJECT UV-LED FLATBED PRINTER

The LEF-200 fits into any studio, workshop or retail environment to offer a versatile solution for personalising virtually any item with incredible detail and stunning colour.

Direct print onto an impressive range of substrates including PVC and plastics, glass, wood, canvas, board, leather and more*.
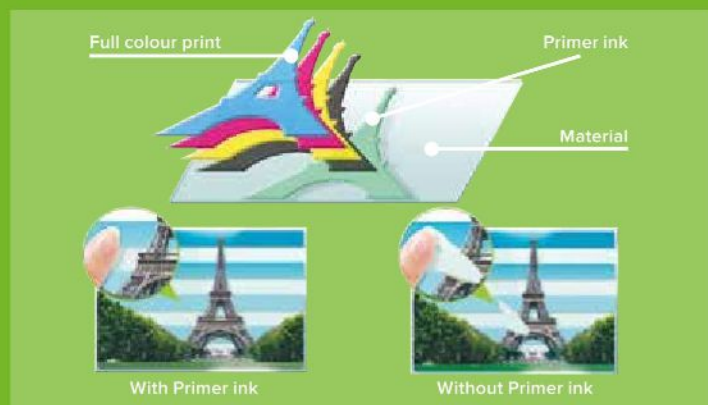
*Print quality or ink adhesion may vary according to the substrate used and it is strongly recommended to test the substrate for compatibility to ensure optimal print results.

VERSATILE

Print text, photos, logos or bespoke designs onto a huge range of items up to 100 mm in height, such as mobile phone cases, gadgets, golf balls, pens, corporate merchandise, promotional items, electronic devices, signs, personalised awards, giftware and much more. Turning the ordinary into the extraordinary adds to more profit-making opportunities for you and your business.

With a print bed of 508 x 330 mm, the LEF-200 direct prints onto virtually any substrate including plastics, canvas, leather and wood. The on-board ECO-UV Primer ink option enables users to quickly and efficiently add graphics to challenging materials such as highly polished glass.* Easily and precisely prepare an object for customisation to achieve an accurate and clean finish.

HIGH QUALITY

Produce stunning results with Roland's advanced ECO-UV inks.

ECO-UV ink in CMYK, White and Clear instantly dries and produces a wide colour gamut with sharp detail and rich colour density. Clear ink options offer spot gloss or matt finishes and stylish embossed effects. White ink adds touches of brilliance and bright colour quality on dark or clear surfaces.

ECO-UV ink requires no degassing and stretches around curves and irregular surfaces without cracking.

Graphics produced using ECO-UV ink are extremely durable, offering scratch and chemical resistance and lasting up to 2 years outdoors.**

Full colour print — Primer ink — Material

With Primer ink   Without Primer ink

AVAILABLE IN 3 INK CONFIGURATIONS

C M Y K GL WH
CMYK + Clear + White

C M Y K PR WH
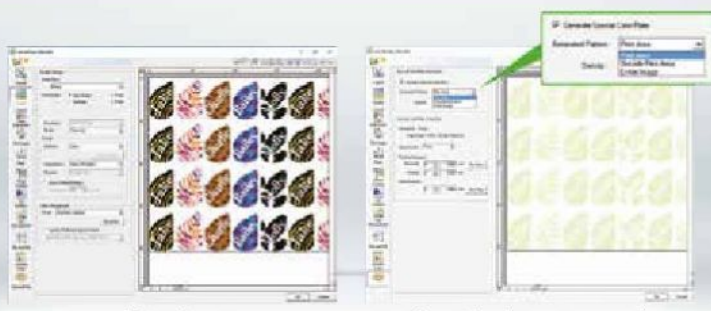CMYK + Primer + White

C M Y K WH WH
CMYK + White + White

**When a clear ink layer is applied.

PRINT, CUSTOMISE & PROFIT
PERSONALISE VIRTUALLY ANYTHING ON DEMAND

Print data

Special colour generated from print data

Roland VersaWorks Dual
RIP & PRINT MANAGEMENT SOFTWARE

EASY-TO-USE

With a host of helpful features and a highly intuitive workflow, the LEF-200 enables novice and experienced users to deliver stunning results.

Roland VersaWorks Dual RIP software is included with the LEF-200. This powerful RIP minimises the need for design software, allowing the creation of special colour layers like White, Clear and Primer from artwork directly in the RIP software. Quickly and easily preview and process complex files with transparencies, layers and other special effects. Rotate, set spacing and maintain clipped position within the RIP to give more control when printing graphics and applying effects. Additional features to optimise production include:

- Nesting
- Tiling
- Step and repeat
- Variable data printing
- Predictive ink calculator
- Pantone and Roland Color System libraries
- Roland Texture System Library with 72 ready-to-use texture patterns.

The LEF-200's built-in laser alignment system ensures pinpoint accuracy when printing onto curved or odd-shaped items.

An intuitive distance print mode delivers brilliant print consistency on regular and curved objects and a non-magnetic height sensor bar is ideal for printing on magnetic items such as tablet covers.

SAFE-TO-USE

Safe for use in any print shop, industrial or retail environment, the LEF-200 features a protective cover to fully encase moving parts and prevent dust from entering the print area, while keeping the UV-LED light contained.

The long-life, low-temperature UV-LED curing lamp is ozone free and is a safe alternative to conventional UV lamps.

ECO-UV ink is supplied in 'clean hands' 220cc cartridges and is safe after curing.

An optional air filtration system is available for use with the LEF-200 to virtually eliminate odour and provide useful storage for jigs, fixtures and supplies.

The LEF-200 delivers true on-demand production with no warm-up time required and plugs into a standard electrical outlet to offer significant savings on electricity costs.

VersaUV LEF-200

Specifications

Printing technology		Piezoelectric inkjet
Media	Dimensions	Max. 538 (width) × 360 (length) × 100 (height) mm (21. 2 × 14.2 × 3.94 in.)
	Weight	Max. 5 kg (11 lbs.)
Printing width and length		Max. 508 (width) × 330 (length) mm (20 × 13 in.)
Ink cartridges	Type and capacity	ECO-UV (EUV, EUV4) 220cc cartridge
	Colours	5 colours (cyan, magenta, yellow, black, white x2) 5 colours (cyan, magenta, yellow, black, white) and primer 6 colours (cyan, magenta, yellow, black, white and gloss)
Ink-curing unit		UV-LED lamp
Printing resolution (dpi)		Max. 1,440 dpi
Distance accuracy*		Error of less than ±0.3 mm % of distance travelled or ±0.3 mm, whichever is greater
Connectivity		Ethernet (10BASE-T/100BASE-TX, automatic switching)
Power-saving function		Automatic sleep feature
Power requirements		AC 100 to 240 V ± 10%, 1.8 A (50/60 Hz)
Power consumption	During operation	Approx. 149 W
	Sleep mode	Approx. 13 W
Acoustic noise level	During operation	60 dB (A) or less
	During standby	49 dB (A) or less
Dimensions		1,202 (width) × 962 (depth) × 549 (height) mm (47.4 × 37.9 × 21.7 in.),
Weight		110 kg (242.5 lbs.)
Environment	Power on**	Temperature: 20 to 32°C (68 to 90°F) (22°C /72°F or higher recommended), Humidity: 35 to 80% RH (no condensation)
	Power off	Temperature: 5 to 40°C (41 to 104°F), Humidity: 20 to 80% RH (no condensation)
Included items		Roland VersaWorks Dual RIP & PRINT MANAGEMENT SOFTWARE, User's Manual, Pad trays, Power cable etc.

* Temperature: 25°C or 77°F, humidity: 50%. ** Operating environment

Options

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

* Print quality or 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.

Roland VersaWorks Dual System Requirements

Operating system	Windows® 10 (32/64-bit) Windows® 8/8.1 (32/64-bit) Windows® 7 Professional / Ultimate (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 1,024px or more
Free hard-disk space	40 GB or more recommended
Hard-disk file system	NTFS format
Optical drive	DVD-ROM drive

* Roland VersaWorks Dual is a 32-bit application, which runs on 64-bit Windows® with WoW64 (Windows 32-bit on Windows 64-bit).

Also in the VersaUV LEF range

LEF-300

Maximum Print Area	770 x 330 mm (30" x 13")
Ink Configuration Options	CMYK + Clear + Clear + White CMYK + Primer + Clear + White
Included RIP Software	Roland VersaWorks Dual
Ideal for	Production-volume customisation of small objects or medium-sized items, plus pre-primed printing onto glass and other unique surfaces.

LEF-12i

Maximum Print Area	305 x 280 mm (12" x 11")
Ink Configuration Options	CMYK + Clear + White
Included RIP Software	Roland VersaWorks Dual
Ideal for	Short-run customisation of USB drives, smartphone covers, photo frames and other small objects.

Optional Air Filtration System

An optional Air Filtration System is available for the LEF-200. 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 LEF-200.

RolandCare warranty

Enjoy the peace of mind of having one of the most comprehensive warranty packages in the industry, included with the Versa UV LEF-200.

⚠ 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.

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

Imagine.

Roland

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