VersaUV LEF-12i

Roland VersaWorks Dual

Specifications

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Printing technology		Piezoelectric inkjet
Media	Dimensions	Max. 335 (width) x 310 (length) x 100 (height) mm [13.2 x 12.2 x 3.94 in.]
	Weight	Max. 5 Kg (11lbs.)
Printing width and length		Max. 305 (width) x 280 (length) mm (12 x 11 in.)
Ink cartridges	Type and capacity	ECO-UV 220 cc cartridge
	Colors	Six colors (cyan, magenta, yellow, black, white, and gloss)
Ink-curing unit		UV-LED Lamp
Printing resolution (dpi)		Max. 1440 dpi
Distance accuracy *		Error of less than ±0.3% of distance traveled, 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.156 W
	Sleep mode	Approx.16.7 W
Acoustic noise level	During operation	60 dB (A) or less
	During standby	49 dB (A) or less
Dimensions		999 (width) x 862 (depth) x 549 (height) mm (39.3 x 33.9 x 21.7 in.)
Weight		85 Kg(187.4 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 (non-condensing)
	Power off	Temperature: 5 to 40°C (41 to 104°F), Humidity: 20 to 80% RH (non-condensing)
Included items		Power cord, Adhesive sheet, RIP & PRINT MANAGEMENT SOFTWARE (Roland VersaWorks Dual), and User's manual, etc.

* Temperature: 25°C (77°F), humidity: 50%

Options

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
Cleaning liquid	SL-CL	1 pc.
Adhesive sheet	AS-10	For securing material, 210 mm x 140 mm (8-1/4 in. x 5-1/2 in.), 10 sheets

Roland VersaWorks Dual System Requirements

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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 1,024 or more
Free hard-disk space	40 GB or more recommended
Optical drive	DVD-ROM drive
Other	Internet connection and web browser to use Roland@NET and VersaWorks Online

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

Optional Deodorising System

An optional deodorising system is available for the LEF-12i. 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-12i.

⚠ 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.

Imagine. **Roland**

AUTHORIZED DEALER:

www.rolanddg.com

3D IMAGINATION

Let your imagination enter the 3D world

VersaUV LEF-12i

3D IMAGINATION
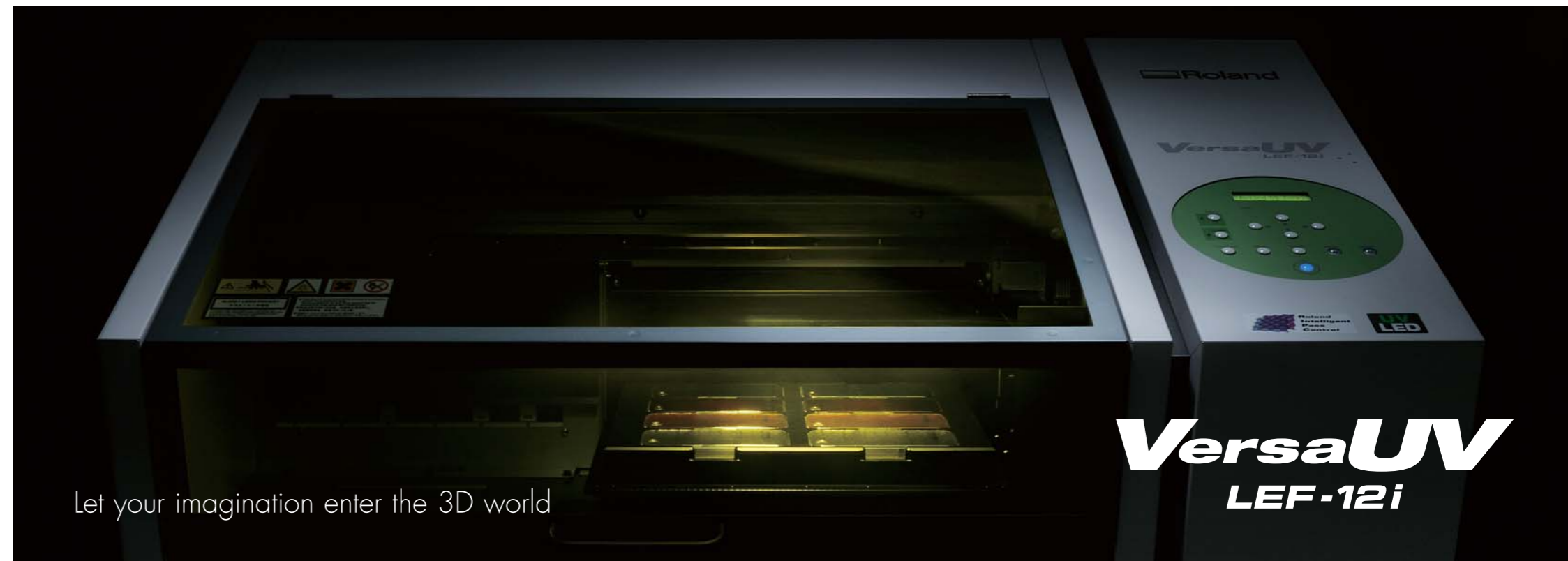
## Printing on 3D objects paves the way for limitless applications in your business

Extending the realm of your printing from flat substrates to the third dimension. Roland DG's UV-LED inkjet printer, the LEF-12i, allows you to print on 3D objects with a height of up to 100 mm (3.94"). Taking full advantage of our printing knowhow, the LEF-12i will enable you to create added-value personalisation and originality to a vast range of popular consumer items.

VersaUV
LEF-12i

Direct printing on 3D objects

The LEF-12i is capable of printing anything on both flat and uneven surfaces for 3D objects up to 100 mm (3.94") thick. Because the integrated UV-LED lamp instantly cure ink during printing, it can print directly onto materials such as PET, ABS, PVC, polycarbonate, PS and other plastics, as well as papers and card stocks. The flatbed construction of the LEF-12i automatically adjusts the distance between the print-head and the surface of the material for optimum printing results.

*Unevenness of the surface must be 2 mm (0.08") or less.

Print area
280 mm (11") Length
305 mm (12") width
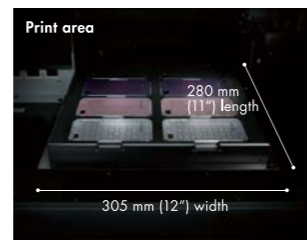
Clear ink enhances the print quality and appearance

The inclusion of Roland DG's clear varnish enables users to produce unusual and creative textures on all materials. Among the advantages offered by the LEF-12i are high-grade gloss and matte finishes as well as 3D "impasto" effects that can be created by stacking many layers of clear ink. The LEF-12i offers 72 ready-to-use texture patterns, all of which are easy to incorporate into a design. With just one click you can create high-value exquisite, appealing and unique effects for your customers.

Roland Texture System Library
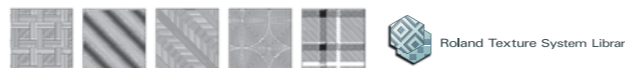
High-density opaque white ink

The LEF-12i is compatible with ECO-UV high-density white ink in addition to full four-colour CMYK inks and clear varnish. The versatility of white ink delivers innovative text, logos and images onto coloured backgrounds. Use white ink as a base coat to add vivid colour printing on transparent PET base materials, or as a primer on darker materials. Being an inkjet printer, the LEF-12i dispenses with the time-consuming conventional plate-making process. This means it can deliver small batch jobs or just one item without a lengthy set-up process.

C M Y K GL WH Full four-color CMYK + Gloss + White

Roland VersaWorks Dual advanced intuitive RIP software

The LEF-12i includes VersaWorks Dual RIP software, featuring a new core engine for faster previewing times and improved handling of PDF and EPS files, including files with drop-shadows and transparencies. There is no need to return to design software and you can set-up special color plates like White and Clear (gloss) directly in the RIP software. In addition, you can rotate, set spacing and maintain clipped position within the RIP to give you more control when printing graphics and applying special color effects.

Environmentally and user friendly operation

Equipped with long-life LED UV-curing lamp, the LEF-12i requires no warm-up time, making it efficient to use and cool to touch. This LED curing technology means it can be used in conjunction with delicate materials which, traditionally, have been difficult to dry efficiently. The LEF-12i includes a safety hood to protect the operator from UV light during operation and a screen to prevent dust falling on the surface of materials whilst printing.

Front cover

Photo album

Digital photo frame

Smartphone case

Headphones

Ring display case

Business card case and pocketbook

Stationery