



VersaUV LEF-20



Specifications		
Printing technology	Piezoelectric inkjet	
Media	Dimensions	Maximum 538 (width) x 360 (length) x 100 (height) mm (21.2 x 14.2 x 3.94 in.)
	Weight	Maximum 5 Kg (11 lbs.)
Printing width and length	Maximum 508 (width) x 330 (length) mm (20 x 13 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)	Maximum 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. 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	1202 (width) x 962 (depth) x 549 (height) mm (47.4 x 37.9 x 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 (non-condensing)
	Power off	Temperature: 5 to 40°C (41 to 104°F), Humidity: 20 to 80% RH (non-condensing)
Included items	Power cord, Software RIP (Roland VersaWorks), and User's manual, etc.	

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

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

Roland VersaWorks System Requirements	
Operating System	Windows® 10 (32/64-bit) Windows® 8/8.1 (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 recommended
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 is a 32-bit application, which runs on 64-bit Windows® with WoW64 (Windows 32-bit on Windows 64-bit). *Windows® RT is excluded.

Optional Deodorising System



An optional deodorising system is available for the LEF-20. 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-20.



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. Your 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. Adobe, PostScript, PostScript 3 and the PostScript logo are trademarks of Adobe Systems Incorporated. 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.

Imagine. Roland

AUTHORIZED DEALER:

Printed in Japan. RDG-416097899 15 OCT C-3 D-S

www.rolanddg.com

Roland

DVE
Digital Value Engineering



MAGIC BOX



Photo album



Engine ignition switch

Faster Production Bigger Print Area Better Return on Investment

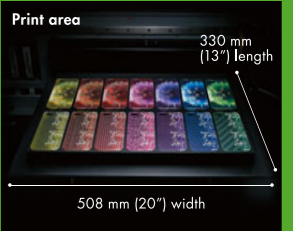
Since its introduction, the revolutionary VersaUV LEF series has opened up new creative possibilities, enabling direct printing on an endless variety of substrates and three-dimensional objects. Now we have taken this technology to the next level. In addition to expanding the print area to 508 mm width by 330 mm in length, we have introduced a powerful new UV-LED lamp which dramatically increases productivity and overall performance. With the LEF-20, small-lot printing on demand is now easier than ever to achieve. You can print directly on products and their prototypes, souvenirs, novelty goods, industrial parts, and even consumer electronics items. To further increase your profits, the LEF-20 features a unique ink configuration that includes high-quality full-color printing, plus white and clear inks for premium special effects.

VersaUV LEF-20



Greater print area and productivity

The LEF-20 features a significantly expanded print area that is approximately twice that of our previous model,* allowing you to print directly on objects up to 508 mm width, 330 mm length, and 100 mm in height. At 20 inches wide, the LEF-20 combines a new, more powerful UV-LED curing system, advanced ECO-JUV ink, and optimized print control technology to bring greater productivity. Twenty built-in media settings are available as presets, allowing you to instantly select just the right settings for your most popular jobs. *VersaUV LEF-12



LEF-20 throughput

CMYK	White	Clear
High Quality 10 min 15 sec	High Quality 26 min 54 sec	Gloss Varnish 17 min 28 sec
Standard 7 min 20 sec	Standard 7 min 20 sec	Matte Varnish 10 min 15 sec

* The throughput when printing an area of 508 mm width by 330 mm length.

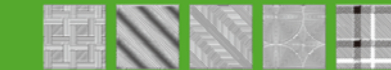
Exceptional print quality

Because the integrated UV-LED lamp instantly cures ink during printing, the LEF-20 can print directly onto materials such as PET, ABS, polycarbonate and TPU, as well as soft materials such as leathers and fabrics. Roland Intelligent Pass Control, our advanced printing technology, enables exceptionally smooth gradations and solid colors with virtually no banding in all print modes to deliver outstanding image quality with sharp images and text.



Premium special effects

The LEF-20 comes equipped with VersaUV's proprietary clear (gloss) ink. This ink allows the LEF-20 to produce premium quality prints with gloss and matte finishes, as well as three-dimensional prints with multiple layers of clear ink. For jobs involving transparent or dark colored materials, the LEF-20 features advanced ECO-JUV high-density white ink which delivers exceptional brightness, density, and opacity.



Roland Texture System Library
The LEF-20 offers 72 ready-to-use texture patterns.

Ink combinations
C M Y K CL WH CMYK + Clear + White ink

User-friendly operation

The LEF-20 features an enclosed airtight cover to protect the operator from UV light and prevent dust from settling onto the surface of materials while printing. Also, the LEF-20's flatbed design automatically adjusts the distance between the print head and the surface of the material for optimum results.



Intuitive Roland VersaWorks print management software

The LEF-20 includes Roland VersaWorks software, which features an intuitive interface for easy operation and job management. Roland VersaWorks allows the user to choose from two print modes, generic mode for printing fine detail, and distance mode for printing on curved surfaces. Variable data printing is also available, making it easy to personalize printed objects with serial numbers and names.



Roland VersaWorks
RIP & PRINT MANAGEMENT SOFTWARE



Cosmetics packaging prototypes



Tablet case



Welcome sign



Display