VersaUV

LEF Series Flatbed Printers

VersaUV
LEF-300

UV
LED

Roland®

HIGHLIGHTS

Brilliant ECO-UV Ink Powers the LEF Series

• CMYK, Gloss and White ink, plus Primer option for the LEF-200 and LEF-300

• Available in cost-effective 500ml cartridges for the LEF-300

• Available in 220ml cartridges for the LEF-200 and LEF-12i

• Instantly dries to produce mess-free results in a wide colour gamut

• ECO-UV ink prints onto curved and irregular surfaces without cracking

• Bonds to a variety of substrates, including PVC, fabric, and other materials

• Produces durable indoor graphics with scratch and chemical resistance

• Outdoor graphics last from six months to two years when Gloss ink layer is applied
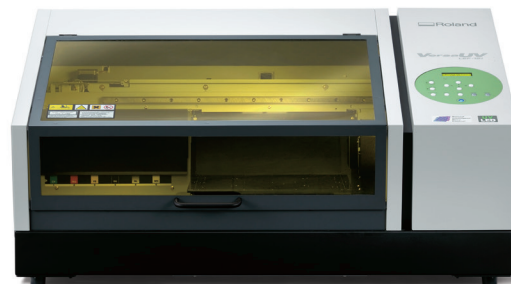
All New VersaWorks™ Dual RIP

Available with purchase of the LEF-12i, LEF-200 and LEF-300,
Roland's new RIP software features the ease-of-use capabilities
of VersaWorks, plus exciting new features:

• Dual PDF and PostScript engine for faster previewing times

• Improved PDF and EPS file handling, including files with transparencies

• Supports up to four Roland devices

• Predictive Ink Calculator

• Set-up special colour layers like White, Gloss and Primer directly in the RIP software

• Spot colour replacement, with built-in PANTONE® libraries

• Rotate and mirror variable print data from inside the RIP

• Save and store unlimited queue settings

• Advanced cropping, tiling and nesting options

• Ready-to-use Texture Libraries for gloss, matte and other special effects

LEF-12i

12" Flatbed Printer

Quickly and easily personalize giftware, souvenirs, and accessories with the LEF-12i that fit any office or workspace and print on media items up to 3.94" in height. With White ink and Gloss ink options, they also offer brilliant gloss-varnish and embossed finishes.

All the Production Power in a Compact Device

Small footprint LEF-12i devices boast many of the amazing LEF series features, all in a powerful, compact machine. Perfect for printing directly onto sensitive electronics like iPads and ideal for customizing keychains, photo frames and other giftware, they are truly remarkable.

Power Your Start-up or Kiosk Business

Run your LEF-12i for just one hour a month and you could generate enough income to pay for the lease. The rest is pure profit. The LEF-12i is the perfect device to get into product customization. It's productive, effective and enables users to offer customers personalization "while-they-wait".

Key Features

- Roland Intelligent Pass Control – controls dot placement between each print pass for smooth gradations and outstanding solid colours

- Automated Ink Circulation System – consistently brilliant results with controlled ink circulation that generates smooth ink consistency and density

- Mist Filters – ensures optimum print quality around the curvatures of objects and keeps the ink from settling on the printer's internal components

- Job presets allow you to recall specific settings for instant reprints with specific applications

- Roland OnSupport sends e-mail or smart phone alerts to inform users when ink is running low or a job has been completed

- Industry leading Two-Year Trouble-Free Warranty

LEF-200

20" Flatbed Printer

Ideal for short-run customization of smart phone covers, picture frames and personalized items, the LEF-200 prints graphics with incredible colour and detail and adds eye-catching textures and stylish embossed finishes. It also features an on-board Primer option that allows for a fast and efficient workflow with increased ink adhesion and durability on a variety of substrates.

The LEF-200 has been re-engineered to meet the growing demands of our end user's production needs. The addition of two new ink set choices, including a double White ink configuration option, lets users reach optimal opacity on White layers faster than ever, while an all-new optional on-board primer cartridge improves ink adhesion on substrates like glass, PET and acrylics. Firmware changes eliminate unnecessary cleaning cycles during production and optimize table movement during job setup and printing operation, dramatically reducing the time needed to move from one job to the next.

Key Features

- New EUV-PR primer cartridge option improves adhesion on acrylic, glass and PET substrates.

- New Roland VersaWorks Dual adds advanced features, such as special colour plate generation for White, Gloss and Primer layers, improving ease of use.

- Upgraded firmware eliminates unnecessary cleanings during production, while also optimizing table movement during setup and printing, improving production.

- Newly-supported dual White (CMYK, Wh, Wh) allows users to build White opacity faster than the LEF-20.

- Photorealistic printing up to 1440 dpi

- Ethernet connectivity for faster RIP data processing.

- Roland OnSupport allows for remote connection of print status.

- Two-Year Trouble-Free Warranty.

LEF-300

30" Flatbed Printer

The LEF-300 is engineered to accommodate greater quantities and larger-sized items, while providing the amazing print quality users have come to expect from Roland's VersaUV series printers. A larger work area, dual UV lamps that allow bi-directional printing, and dedicated print heads for both White and Clear inks improve overall production. Advancements loaded into the all- new VersaWorks Dual RIP improve ease of use and the overall user experience by giving the end user more control as well as tools for modifying print files without taking the artwork back into the design software. Increased production ability and external ports for adding third-party automation devices give the LEF-300 a path to fit into the manufacturing and industrial printing market segments, as well as the giftware, promotional item and prototype markets where the VersaUV LEF-12 and LEF-20 have enjoyed considerable success.

Key Features

- Expanded print area 30" wide by 13" long

- Two UV-LED lamps – which allow for bi-directional printing – ensure instant ink-curing

- Four print heads increase production speed

- Multi-layer printing of White and Gloss ink with increased ink density

- New draft print mode for users in need of quick prototype prints

- Built-in vacuum table holds materials steady for easy loading and prevents materials from shifting during printing

- Ethernet connectivity for faster RIP data processing.

- Roland OnSupport allows for remote connection of print status.

- Two-Year Trouble-Free Warranty.

BOFA PRINTPRO

BOFA's PrintPRO Base is designed exclusively for Roland DG to remove odours generated during the printing process.

The design allows the Roland UV printer to sit on top of the extractor as a cart or bench, and specially formed dimples ensure a perfect alignment and secure location. Manufactured to run efficiently and quietly in an office environment, colour matched for good looks, with practical internal storage and adjustable castors for portability. Offered in compatible sizes to suit the needs of the LEF Series.

Standard Features

• Colour matched to the Roland LEF20 printer

• VOC gas sensor (Volatile Organic Compound)

• Auto sensing voltage (115-230v) for global use

• Digital speed control

• Extended life carbon for low cost of ownership

• Specially treated carbon for safe containment of print fumes

• Doubles as cart/bench with locating dimples for security

• Height adjustable castors for portability and stability

• Extraction hose kit included

• Low noise level

• Internal accessories shelf

SPECS		LEF-12i	LEF-200	LEF-300
Printing Method		Piezoelectric inkjet / table feed system	Piezo inkjet method	Piezoelectric inkjet
Acceptable Media	**Width**	13.2 in. (335mm)	Maximum 21.2 in. (538 mm)	Max. 31.5 in. width
	Depth	12.2 in. (310mm)	Maximum 14.2 in. (360 mm)	14.2 in. length
	Thickness	3.94 in. (100mm)	Maximum 3.94 in. (100 mm)	3.94 in. height
	Weight	11lbs (5kg)	Maximum 11 lbs (5 kgs)	Max. 18 lbs. (8 kg)
Printing Area		12 x 11 in. (305x280mm)	Maximum 20 x 13 in. (508 x 330 mm)	Max. 30.3 in. ×13 in. (770 mm x 330mm)
Ink Cartridges	**Type**	Roland ECO-UV inks	ECO-UV (EUV, EUV4) 220 cc cartridge	ECO-UV 220 cc cartridge, ECO-UV 500 cc cartridge (White ink is not available in 500 cc cartridges)
	Colours	6 colours (cyan, magenta, yellow, black white and gloss)	Five colours (cyan, magenta, yellow, black, white×2) Five colours (cyan, magenta, yellow, black, white and primer) Six colours (cyan, magenta, yellow, black, white, and gloss)	6 colours(cyan, magenta, yellow, black, white, and gloss)
	Configuration	CMYK + Gloss + White	CMYK + Gloss + White CMYK + White + Primer CMYK + White + White	CMYK + Gloss + Gloss + White CMYK + Gloss + White + Primer
Ink Curing Unit		Single UV-LED lamp	Built-in UV-LED lamp	UV-LED lamp
Printing Resolutions		1440 x 720 dpi	Maximum 1440 dpi	Max. 1440 dpi
Distance accuracy when printing		Error of less than ± 0.3% of distance traveled, or ± 0.012 in (0.3mm), whichever is greater	Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater	Error of less than ±0.3 mm (±11.8 mil) or ±0.3% of the specified distance, whichever is greater
Interface		Ethernet (10 BASE-T / 100 BASE-TX, automatic switching)	Ethernet (10BASE-T/100BASE-TX, automatic switching)	Ethernet (10BASE-T/100BASE-TX, automatic switching)
Power-Saving Function		Automatic sleep feature	Automatic sleep feature	Automatic sleep feature
Power Requirements		AC 100 to 240 V ± 10%, 50/60 Hz, 1.8A	AC 100 to 240 V ± 10%, 50/60 Hz, 1.8A	AC 100 to 240 V ± 10%, 2.1 A, 50/60 Hz
Power Consumption	**During operation**	156W	Approximately 149 W	Approx. 178 W
	Sleep mode	16.7W	Approximately 13 W	Approx. 18 W
Acoustic Noise Level	**During operation**	60dB (A) or less	60 dB (A) or less	60 dB (A) or less
	During standby	49dB (A) or less	49 dB (A) or less	49 dB (A) or less
Outer Dimensions		39.3 x 34.2 x 21.5 in. (998 (W) x 867 (D) x 546 (H) mm)	1,202 (width) x 962 (depth) x 549 (height) mm (47.4 x 37.9 x 21.7 in.)	61.4" × 37.6" × 22.7" (1,560 mm × 955 mm × 576 mm) When the ink-cartridge tray is attached: 37.6" × 22.7" (1,866 mm × 955 mm × 576 mm)
Weight		187.4lbs. (85Kg)	110 kg (242.5 lbs)	317.5 lbs. (144 kg)
Environment	**Power on**	Temperature: 68° to 90°F (20° to 32°C) (72°F [22°C] or more recommended), Humidity: 35 to 80% (no condensation)	Temperature: 20 to 32°C (68 to 90°F) (22°C / 72°F or higher is recommended) Humidity: 35 to 80% RH (no condensation)	Temperature: 68° to 90° F (20° to 32° C) 72° F (22° C) or higher recommended, Humidity: 35% to 80% RH (noncondensing)
	Power off	Temperature: 41° to 104°F (5° to 40°C), Humidity: 20 to 80% (no condensation)	Temperature: 5 to 40°C (41 to 104°F), Humidity: 20 to 80% RH (no condensation)	Temperature: 41° to 104° F (5° to 40° C), Humidity: 20 to 80% RH (non-condensing)
Included Items		Power cord, adhesive sheet, software RIP (Roland VersaWorks), user documentation	Power cord, RIP & PRINT MANAGEMENT SOFTWARE (Roland VersaWorks Dual), user documentation, pad trays, etc.	Power cord, RIP & PRINT MANAGEMENT SOFTWARE (Roland VersaWorks Dual), User's Manual and Pad trays, etc.