

Exceptional Printing and Embossing Effects on Both Roll Media and Rigid Substrates

Based on award-winning VersaUV technology, the VersaUV hybrid LEJ-640 prints CMYK plus white and clear inks on both roll media and rigid substrates up to 13mm (.51") thick. With the LEJ-640, you can print white on a variety of clear media for text and graphics that stand out. Layers of clear ink create custom patterns and embossing effects, perfect for premium brands. At 64" wide, the LEJ-640 lets you explore a wide range of applications with just one device, from packaging prototypes and POP to wide-format signage and window displays.



Max. acceptable media width:
1,625 mm (64")

Max. acceptable media thickness:
13 mm (0.51")



Add a gloss finish to cosmetic POP displays to create a luxurious luster.



Choose from a wide variety of board stock for outstanding results every time.

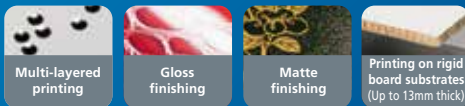


Create realistic packaging prototypes using corrugated cardboard and other rigid materials.



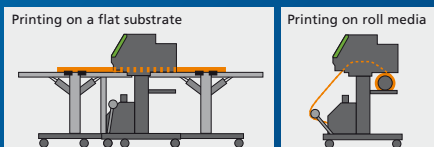
Specialty inks add value and enhance your creativity

The LEJ-640 outperforms traditional CMYK printers with the addition of white and clear inks that together open up a new world of design options. With high-opacity white ink, you can print crisp, bright text and graphics on a range of coloured and transparent media. Clear ink can be layered into striking gloss and matte finishes. More than 70 ready-to-apply patterns are included in the VersaWorks Dual Roland Texture System Library.



Supports both flexible roll media and rigid substrates up to 13mm (0.51") thick

With the LEJ-640, you can print on virtually any substrate, from thin flexible films to lightweight board and cardboard up to 13mm (0.51") thick, without distortion to the substrate's shape or surface finish. A media securing mechanism ensures high-quality printing by holding flat substrates in place and controlling warp. For unattended production, the LEJ-640 features a built-in take up system supporting a wide variety of roll media.



*Media support is dependent on its weight and even surface. Test printing is recommended before final production.

Large UV-LED lamps increase productivity while lowering costs

The LEJ-640 features the newest generation UV-LED lamps, designed to cure Roland ECO-UV inks. This state-of-the-art curing system is safe to use and requires little power to operate. Lamps last up to 10,000 hours. The LEJ-640 LED curing lamps automatically reposition themselves for optimum image quality in each print mode.

*The life span of Roland UV-LED lamps may vary due to temperature and printing conditions.

LEJ-640 print modes and speeds

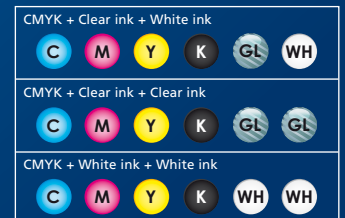
Print mode	Print speed
High speed	12.4 m ² /h (133.1 sqft/hr)
High speed	10.0m ² /h (107.6 sqft/hr)
Standard	5.5 m ² /h (59.4 sqft/hr)
High quality	4.1 m ² /h (44.1 sqft/hr)
Artistic	1.6 m ² /h (16.8 sqft/hr)

*Printed in CMYK, bi-directional

Advanced technology

A fully-automated, built-in sensor determines the proper print head height for each LEJ-640 job, accounting for the thickness of the media to be printed. This feature prevents head strikes and ensures reliable, high-quality printing up to 1440 x 1440 dpi across the widest range of substrates. Roland's unique ink circulation system prevents white ink particles from settling for reduced waste and consistent print quality.

Choose from three ink combinations



Specifications

Printing technology		Piezoelectric inkjet
Media	Width	Roll media : 210 to 1625 mm (8.3 to 64 in.) Rigid media, cut media : 250 to 1625 mm (9.9 to 64 in.)
	Thickness	Roll media : Maximum 1.0 mm (39 mil) with liner Rigid media, cut media : Maximum 13 mm (0.51 in.)
	Weight	Roll media : Maximum 40 kg (88 lb.) Rigid media, cut media : Maximum 12 kg (26 lb.)
	Roll outer diameter	Maximum 210 mm (8.3 in.)
	Core diameter *1	76.2 mm (3 in.) or 50.8 mm (2 in.)
Printing width*2		Maximum 1615 mm (63.6 in.)
Ink cartridges	Type	Roland ECO-UV INK / Roland ECO-UV S INK
	Capacity	220 cc / 500 cc
	Colours	ECO-UV INK: Six colours (cyan, magenta, yellow, black, white and gloss) ECO-UV S INK: Five colours (cyan, magenta, yellow, black, white)
Printing resolution (dots per inch)		Maximum 1440 dpi
Distance accuracy *3		Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater
Media take-up system	Roll outer diameter allowing take-up	Maximum 210 mm (8.3 in.)
	Weight allowing take-up	Maximum 40 kg (88 lb.)
Connectivity		Ethernet (10BASE-T/100BASE-TX, automatic switching)
Power-saving function		Automatic sleep feature
Power requirements		AC 100 to 240 V ±10%, 5.7A, 50/60 Hz
Power consumption	During operation	500 W
	Sleep mode	15.2 W
Acoustic noise level	During operation	64 dB (A) or less
	Sleep mode	40 dB (A) or less
Environmental	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)
Dimensions (with stand)	With table unit	3184 (W) × 3658 (D) × 1281 (H) mm [126 (W) × 145 (D) × 51 (H) in.]
	Without table unit	3184 (W) × 836 (D) × 1281 (H) mm [126 (W) × 33 (D) × 51 (H) in.]
Weight (with stand)	With table unit	316 kg (697 lb.)
	Without table unit	240 kg (530 lb.)
Included items		Stand, table unit (RU-640 and MB-640), power cord, media clamps, replacement blade for separating knife, software RIP (Roland VersaWorks Dual), and user's manual, etc.

*1 The media holder for this machine is exclusively designed for media rolls with a paper tube measuring 3 inches in diameter. To use 2-inch media rolls, the optional media flanges are required.

*2 The length of printing is subject to the limitations of the program.

*3 Using Roland specified media, loaded correctly without using the table unit, print travel of 1m, temperature: 25°C (77°F), humidity: 50 %RH, the pinch rollers are positioned correctly on top of the media, excluding expansion or contraction of the media, and all correction and adjustment functions of this machine have been made properly.

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

*Windows® RT is excluded.

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
	EUV4-5CY	Cyan, 500cc
	EUV4-5MG	Magenta, 500cc
	EUV4-5YE	Yellow, 500cc
	EUV4-5BK	Black, 500cc
ECO-UV S Ink	EUV4-5GL	Gloss, 500cc
	EUVS-CY	Cyan, 220cc
	EUVS-MG	Magenta, 220cc
	EUVS-YE	Yellow, 220cc
ECO-UV S Ink	EUVS-BK	Black, 220cc
	EUVS-WH	White, 220cc
	SL-CL	1 pc.



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 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 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 dealer for details. No guarantee or warranty is implied other than expressly stated. Roland shall not be liable for any incidental or consequential damages, whether foreseeable or not, caused by defects in such products. Customers are responsible for observing related laws and ordinances if printed materials will be in direct contact with food or beverage. 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. All other trademarks are the property of their respective owners. Roland DG Corporation has licensed the MMP technology from the TPL Group.

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