

Imagine.

DVE
Digital Value Engineering

Roland®

UV LED PRINTER

VersaUV LEJ-640

1,625mm wide
×
13mm thick
(64" wide x 0.51" thick)

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.



Roland Texture System Library

LED

Roland Intelligent Fine Control

RIP & PRINT MANAGEMENT SOFTWARE
Roland VersaWorks®

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.

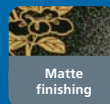


Create realistic packaging prototypes using corrugated cardboard and other rigid materials.



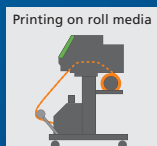
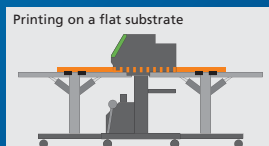
Specialty inks add value and enhance your creativity

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 colored 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 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 quality	4.1 m ² /h (44.1 sqft/hr)
Standard	5.5 m ² /h (59.4 sqft/hr)
High speed	12.4 m ² /h (133.1 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

CMYK + Clear ink + White ink						
C	M	Y	K	GL	WH	
CMYK + Clear ink + Clear ink						
C	M	Y	K	GL	GL	
CMYK + White ink + White ink						
C	M	Y	K	WH	WH	

Specifications

Printing technology		Piezo electric 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
	Capacity	220 cc
	Colors	Six colors (cyan, magenta, yellow, black, white, and gloss)
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%, 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), and user's manual, etc.

*1 The media holder of this machine is exclusively for media with a paper tube core inner diameter of 3 inches. To use a 2 inch media core, please use the optionally available media flanges.

*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 System Requirements

Operating system	Windows® 7 Professional/Ultimate (32-bit); Windows Vista® Business/Ultimate (32-bit edition), or Windows XP Professional Service Pack 2 or later (32-bit)
CPU	Core™2 Duo, 2.0 GHz or faster recommended
RAM	2 GB or more recommended
Video card and monitor	A resolution of 1,280 × 1,024 or more recommended
Free hard-disk space	40 GB or more recommended
Hard-disk file system	NTFS format
Optical drive	DVD-ROM drive

Options	Model	Description
ECO-UV Media	DuPont™ Tyvek® 1056D	Nonwoven lightweight, 760 mm x 50 m (29.9' x 164')
ECO-UV Ink	EUV-MG	Magenta, 220cc
	EUV-YE	Yellow, 220cc
	EUV-CY	Cyan, 220cc
	EUV-BK	Black, 220cc
	EUV-WH	White, 220cc
	EUV-GL	Gloss, 220cc
Cleaning liquid	SL-CL	1 pc.



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 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 products that feature this environmental label meet the company's criteria for environmental consciousness, a set of standards based on ISO 14021 self-declaration type II. For more information, please visit www.rolanddg.com.



ISO 14001:2004 and ISO 9001:2008 Certified

Roland pursues both environmental protection and continuous quality improvement. Under the philosophy of preserving the environment and human health, Roland is actively working to abolish organic solvents in production, to reduce and recycle waste, to reduce power use, and to purchase recycled products. Roland constantly strives to provide the most highly reliable products available.



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. Adobe, PostScript, PostScript 3 and the PostScript logo are trademarks of Adobe Systems Incorporated. All other trademarks are the property of their respective owners. Roland DG Corp. has licensed the MMP technology from the TPL Group.