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.

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.

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.

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
CMYK + Clear ink + Clear ink
CMYK + White ink + White ink

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

Max. acceptable media width: 1,625 mm (64")
Max. acceptable media thickness: 13 mm (0.51")

Roland VersaWorks Dual Roland Texture System Library

LEJ-640 print modes and speeds

<table>
<thead>
<tr>
<th>Print mode</th>
<th>Print speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>High speed</td>
<td>12.4 m²/h (133.1 sqft/hr)</td>
</tr>
<tr>
<td>High quality</td>
<td>4.1 m²/h (44.1 sqft/hr)</td>
</tr>
<tr>
<td>Standard</td>
<td>3.5 m²/h (37.4 sqft/hr)</td>
</tr>
<tr>
<td>Artistic</td>
<td>1.8 m²/h (18.8 sqft/hr)</td>
</tr>
</tbody>
</table>

*Printed in CMYK, bi-directional

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

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No guarantee or warranty is implied other than expressly stated. Roland shall not be liable for any event (e.g., 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.

Specifications

<table>
<thead>
<tr>
<th>Printing technology</th>
<th>Piezoelectric inkjet</th>
</tr>
</thead>
</table>
| Width               | Roll media: 210 to 1625 mm (8.3 to 64 in.)<sup>1</sup>  
Rigid media, cut media: 250 to 1625 mm (9.9 to 64 in.) |
| Thickness           | Roll media: Maximum 1.0 mm (0.039 in.) with liner  
Rigid media, cut media: Maximum 1.0 mm (0.039 in.) |
| Weight              | Roll media: Maximum 40 kg (88 lb.)  
Rigid media, cut media: Maximum 12 kg (26 lb.) |
| Roll core diameter  | Maximum 70 mm (2.75 in.) |
| Core diameter <sup>1</sup> | 70 mm (2.75 in.) |
| Printing width<sup>2</sup> | Maximum 1515 mm (60.5 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)

Roll media take-up system

- Roll core diameter allowing take-up: Maximum 70 mm (2.75 in.)
- Weight allowing take-up: Maximum 40 kg (88 lb.)

Connectivity

- Ethernet (10BASE-T/100BASE-TX, automatic switching)
- USB 2.0

Power-saving function

Automatic sleep feature

Power requirements

AC 100 to 240 V ±10%, 5.7A, 50/60 Hz

Power consumption

- During operation: 152 W
- Sleep mode: 15.2 W

Acoustic noise level

- During operation: 64 dB (A) or less
- Sleep mode: 69 dB (A) or less

Environmental

- Power off: Temperature: 5 to 40°C (41 to 104°F) , humidity: 20 to 80%RH (no condensation)
- Sleep mode: Temperature: 20 to 32°C (68 to 90°F) , humidity: 25 to 85%RH (no condensation)

Dimensions (with stand)

- Power on: Temperature: 20 to 32°C (68 to 90°F) , humidity: 25 to 85%RH (no condensation)
- Sleep mode: Temperature: 20 to 32°C (68 to 90°F) , humidity: 25 to 85%RH (no condensation)

Weight (with stand)

- With table unit: 319 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.

Options

- Model: EUV4-CY, EUV4-MG, EUV4-YE, EUV4-BK, EUV4-YK, EUV4-WH, EUV4-5GL, EUV4-5BK, EUV4-5YE, EUV4-5MG, EUV4-5CY, EUV4-GL, EUV4-5KL, EUV4-5BL, EUV4-5WH
- Description: Cyan, 220cc, Magenta, 220cc, Yellow, 220cc, Black, 220cc, Black, 500cc, White, 220cc, White, 500cc, Black, 500cc, Gloss, 500cc

Cleaning liquid

SL-CL: 1 pc.

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Warranty

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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 event (e.g., 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.

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- 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.

- In use,挥发成分可能略微刺激眼睛、鼻子和/or喉咙。Roland强烈建议您安装通风系统，并在通风良好的房间中使用此产品。更多信息，请联系您的当地分销商或经销商。