Imagine. **Roland**®

Discover new, profitable opportunities for your business

VersaUV

PRINT&CUT LEC-540 / LEC-330
PRINT LEJ-640

Versatility, innovation and quality are the VersaUV's main characteristics. The VersaUV LEC-540 (137cm wide) and LEC-330 (76cm wide) combine UV printing with cutting. The VersaUV LEJ-640 is a hybrid UV printer of 163cm. All these machines deliver excellent print quality on an extremely diverse range of materials. Use the VersaUV to produce high-quality packaging prototypes, small-run labels and stickers with special effects, art posters, displays and much more.

Unmatched quality across a wide variety of materials

The VersaUV prints on a wide range of media such as vinyl, PET, banner, paper, clear film, textile and leather. With the LEJ-640, you can not only print on rolls, but on rigid materials up to 13mm thick, because this printer comes with a table unit. The LEC-540 also has a table, so that you can print on sheets up to 1mm thick.* The artistic print mode (1440 x 1440dpi) is ideally suited for jobs that require sharp, detailed graphics and texts. The print quality is further enhanced by the Roland Intelligent Pass Control technology which delivers smooth gradations and flawless solid colours in every print mode. The VersaUV has an ink circulation system for white ink that prevents pigments from settling and keeps the ink in optimal shape.

* For best results, test print your graphics on each substrate before production.

Create special effects

The VersaUV prints your designs in CMYK and white and finishes them, if desired, with transparent ink. You can use the white ink on transparent film and shrink wrapping for all sorts of packaging prototypes. The glossy ink allows you to emphasis parts of your print with a gloss or mat layer. You can create a relief by printing several layers on top of each other. Examples of relief are geometrical patterns and Braille. The structure becomes more visible and tangible as more layers are printed on top of each other.

Print speed comparison for four colour printing (CMYK)**: LEC-330 ▮ LEC-540 ▮ LEJ-640 ▮		
High-speed	12.4m²/h (LEJ-640)	
	11.7m²/h (LEC-540)	
	4.7m²/h (LEC-330)	
Standard	5.5m²/h (LEJ-640)	
	5.2m²/h (LEC-540)	
	2.7m²/h (LEC-330)	
High-quality	4.1m²/h (LEJ-640)	
	3.9m²/h (LEC-540)	
	1.8m²/h (LEC-330)	

** The print speeds will be lower when printing white and gloss

Choose from three ink configurations

You can choose from three ink combinations to meet your business requirements. The standard ink configuration, CMYK+White+Gloss, allows you to make the widest variety of applications. Select the high-opacity white ink configuration, CMYK+White+White, to print on transparent films. Take full advantage of thick gloss ink effects such as embossing with the CMYK+Gloss+Gloss configuration. This ink combination allows you to apply gloss ink twice as fast as the standard configuration.

The VersaUV family

The LEJ-640, LEC-540 and LEC-330 belong to the VersaUV family. All these machines use LED-UV technology, which means that they are fitted with LED lamps that dry UV ink. The lamps do not produce any heat, so that the VersaUV can print on heat-sensitive materials.

The LEC-540 and LEC-330 combine printing and cutting, while the LEJ-640 can only be used as a printer. The LEC-330 can only be used to print on rolls, while the LEC-540 and LEJ-640 can also print on rigid material. The LEC-540 also has a creaser blade that you can use to mark folding lines on a packaging prototype. Simply indicate where the folding lines should be in the software and the machine will score the designated lines.

	LEJ-640	LEC-540	LEC-330
Printing	x	x	x
Cutting		x	x
Creasing		x	
Media rolls	x	x	x
Rigid materials	x (to 13mm)	x (to 1mm)	

VersaWorks RIP software included

The VersaUV inkjets include VersaWorks. For precision spot colour matching, VersaWorks features the Roland Color System which allows users to print reference tools including swatch books and colour charts. VersaWorks also includes the Roland Texture System Library featuring 72 ready-to-use textures that can be easily accessed from the Adobe Illustrator swatch library. You can either select a pre-designed texture or create your own to add dimensional effects to designs. In addition, VersaWorks estimates the ink usage and print time for each graphic so you can accurately monitor production time and costs. Furthermore, VersaWorks features the "Roland OnSupport" online customer support system allowing you to remotely track the status of the printer's activities. The system sends e-mail messages notifying you of important information such as when a job is completed or when ink is running low. With Roland OnSupport, you have complete freedom to leave your printer unattended, knowing that critical production information will be delivered to you remotely in real time.

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Specifications		LEC-330	LEC-540	LEJ-640
Printing technology		Piëzo-electrical inkjet		
Media	Width	182 to 762 mm	260 to 1371 mm	Roll media: 210 to 1625 mm Rigid media, cut media: 250 to 1625 mm
	Thickness	Maximum 1.0 mm with liner, for printing Maximum 0.4 mm with liner and 0.22 mm without liner, for cutting		Roll media: maximum 1 mm with liner Rigid media, cut media: maximum 13 mm
	Roll outer diameter	Maximum 180 mm	Maximum 210 mm	
	weight	Maximum 20 kg	Maximum 30 kg	Roll media: maximum 40 kg Rigid media, cut media: maximum 12 kg
	Core diameter *1	76.2 mm or 50.8 mm		
Printing/cutting width Printing width *2		Maximum 736 mm	Maximum 1346 mm	Maximum 1615 mm
Ink cartridges	Type	Roland ECO-UV / ECO-UV S ink		
	Capacity	220 cc		
	Colours	ECO-UV: Six colours (cyan, magenta, yellow, black, white and gloss) / ECO-UV S: Five colours (cyan, magenta, yellow, black and white)		
	Configuration *3	CMYK+Gloss+White, CMYK+White+White or CMYK+Gloss+Gloss		
Ink-curing unit		Dual UV-LED Lamp		
Printing resolution (dots per inch)		Maximum 1440 dpi		
Cutting speed		10 to 600 mm/s (10 to 300 mm/s in media-feed direction)		-
Blade force		30 to 300 gf		-
Blade offset compensation		0.000 to 1.500 mm		-
Software resolution (when cutting)		0.025 mm/step		-
Distance accuracy (when printing) *4 *5 *9		Error of less than ±0.3% of distance travelled, or ±0.3 mm, whichever is greater		
Distance accuracy (when cutting) *4 *9		Error of less than ±0.4% of distance travelled, or ±0.3 mm, whichever is greater. When distance correction has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of distance travelled, or ±0.1 mm, whichever is greater.		-
Repetition accuracy (when cutting) *4 *6 *9		±0.1 mm or less		-
Alignment accuracy for printing and cutting *4 *7 *9		±0.5 mm or less		-
Alignment accuracy for printing and cutting when reloading media *4 *8 *9		Error of less than ±0.5% of distance travelled, or ±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%, 50/60 Hz, maximum 4.2A	AC 100 to 240 V ±10%, 50/60 Hz, maximum 5.5 A	AC 100 to 240 V ±10%, 50/60 Hz
Power consumption	During operation	Maximum 370 W	Maximum 490 W	Maximum 500 W
	Sleep mode	15.3 W		15.2 W
Dimensions		2200 (W) × 820 (D) × 1260 (H) mm (with stand)	2925 (W) × 1120 (D) × 1260 (H) mm (with front table and stand)	3184 (W) × 3658 (D) × 1281 (H) mm (with table unit and stand) 3184 (W) × 836 (D) × 1281 (H) mm (without table unit and stand)
Weight (with stand)		177 kg	225 kg	316 kg (with table unit) / 240 kg (without table unit)
Environmental	Power on	Temperature: 20 to 32°C [22°C or higher recommended] , humidity: 35 to 80% (no condensation)		
	Power off	Temperature: 5 to 40°C, humidity: 20 to 80% (no condensation)		
Accessories		Stands, power cord, crease tool (XD-CT) (for LEC-540), table unit (RU-640 and MB-640) (for LEJ-640), blades, blade holder (XD-CH2), media clamps, replacement blade for separating knife, cleaning kit, VersaWorks, user's manual, etc.		

Roland VersaWorks System Requirements

Operating system	Windows® 7 Professional or Ultimate (32-bit); Windows Vista® Business/Ultimate Service Pack 1 (32-bit); Windows Vista® Business/Ultimate (32-bit); Windows® XP Professional Service Pack 2 or later
CPU	Core™2 Duo, 2.0 GHz or faster recommended
RAM	1 GB or more recommended (Windows 7 and Vista: 2 GB or more recommended)
Video card and monitor	A resolution of 1280 x 1024 resolution or more recommended
Free hard-disk space	40 GB or more recommended
Hard-disk file system	NTFS format
Optical drive	DVD-ROM drive

Roland VersaWorks-Compatible Application Software

Adobe® Illustrator® 10, CS, CS2, CS3, CS4, CorelDRAW® 11, 12, X3

Options	Model	Description
ECO-UV ink	EUV-MG	Magenta, 220 cc
	EUV-YE	Yellow, 220 cc
	EUV-CY	Cyan, 220 cc
	EUV-BK	Black, 220 cc
	EUV-WH	White, 220 cc
	EUV-GL	Gloss, 220 cc
ECO-UV S ink	EUVS-MG	Magenta, 220 cc
	EUVS-YE	yellow, 220 cc
	EUVS-CY	Cyan, 220 cc
	EUVS-BK	Black, 220 cc
	EUVS-WH	White, 220 cc
Cleaning liquid	SL-CL	1 pc.
Crease tool (only for LEC-540)	XD-CT	1 pc.
Blades	ZEC-A3050	Ideal to cut flock and sandblast, 5 pieces
	ZEC-A5025	Ideal to cut thicker materials and small characters, 3 pieces
Blade holder	XD-CH2	Blade holder with blade extension adjuster, made of aluminium

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:
The pigment in white ink will settle in the cartridge and ink flow system. Due to the nature of white ink, you must shake the cartridge before each use.

*1 The media holder of this machine is exclusively for media with paper tube (core inner diameter 3 inches). To use a 2 inch media core, please use the optional available media flanges.
*2 The length of printing or cutting is subject to the limitations of the program.
*3 Ink configuration must be selected upon purchase.
*4 Using Roland specified media, loaded correctly, temperature: 25°C, humidity: 50 %, all pinch rollers are used, 25 mm or more for both right and left margins and 35 mm or more front margin, excluding expansion or contraction of the media and all correction and adjustment functions of this machine have been made properly.
*5 Using Roland specified media, print travel of 1m
*6 [PREFEED] menu item must be set to "ENABLE", media 3000 mm long.
*7 Provided that media length is under 3000 mm. Excluding possible shift caused by expansion or contraction of the media and/or by reloading the media.
*8 Using Roland specified media, data size: 1000 mm in the media-feed direction, LEC-540: 1346 mm/LEC-330: 736mm in the carriage-movement direction. No lamination. Automatic detection of crop marks at four points when media is reloaded. During cutting, [PREFEED] menu item must be set to "ENABLE." Temperature: 25°C. Excludes the effects of skewed movement and of expansion and contraction of the media.
*9 Applicable when neither the front table nor the rear table is used.