

As the pioneer of integrated Print&Cut technology,

Roland is proud to introduce the Versa UV LEC-300,

the world's first print and digital die cutting UV inkjet device.

The 30" LEC-300 adds exceptional color and customization to your graphics.

Your customers will appreciate the luxurious textures

and added dimension provided by Versa UV clear varnish.

Easy-to-use LED lamps and Roland's newest generation

of UV inks make production easy, clean and efficient.

Take your business to the next level with profitable LEC-300 graphics.



Photo: Roland Versa UV LEC-300 30" UV Inkjet Printer/Cutter

Roland  
VersaWorks®  
UV & Hybrid Inkjet Technology

Roland DG Academy

Roland DG  
Creative Center

Roland DG Care

Specifications		LEC-300
Printing technology	Width	Piezo electric inkjet 182 to 762 mm (7.2 to 30 in.)
	Thickness	Maximum 1.0 mm (39 mil) with liner, for printing Maximum 0.4 mm (16 mil) with liner and 0.22 mm (9 mil) without liner, for cutting
	Roll outer diameter	Maximum 180 mm (7.1 in.)
	Roll weight	Maximum 20 kg (44 lb.)
	Core diameter	50.8 mm (2 in.) or 76.2 mm (3 in.)
Printing/cutting width *1		Maximum 736 mm (29 in.)
Ink cartridges	Types	Roland ECO-UV INK
	Capacity	220 cc
	Color	Six colors (cyan, magenta, yellow, black, white, and gloss)
Ink-curing unit		Dual UV LED lamps
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 (0 to 0.0591 in.)
Software resolution (when cutting)		0.025 mm/step (0.000984 in./step)
Distance accuracy (when printing) *2		Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater
Distance accuracy (when cutting)		Error of less than ±0.4% of distance traveled, 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 traveled, or ±0.1 mm, whichever is greater.
Repeatability (when cutting) *3		±0.1 mm or less
Alignment accuracy for printing and cutting *4		±0.5 mm or less
Alignment accuracy for printing and cutting when reloading media *5		Error of less than ±0.5% of distance traveled, 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 3.4A
Power consumption	During operation	Maximum 320 W
	Sleep mode	Approx. 23 W
Dimensions (with stand) *6		2,200 (W) × 820 (D) × 1,260 (H) mm (86.6 (W) × 32.3 (D) × 49.6 (H) in.)
Weight (with stand)		175 kg (386 lb.)
Environmental	Power on	Temperature: 20 to 32°C (68 to 90°F) , humidity: 35 to 80% (no condensation)
	Power off	Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80% (no condensation)
Accessories		Stand, power cord, blade, blade holder, media clamps, replacement blade for separating knife, cleaning kit, software RIP (Roland VersaWorks®), user's manual, etc.

\*1 The length of printing or cutting is subject to the limitations of the program.

\*2 Using Roland specified media, print travel of 1m, temperature: 25°C (77°F), humidity: 50 %RH

\*3 Using Roland specified media, loaded on the shaft, [PREFEED] menu item must be set to "ENABLE," with 25 mm or more for both right and left margins and 35 mm or more front margin, excluding expansion or contraction of the media. Media 3,000 mm long.

\*4 Provided that media length is under 3,000 mm. Temperature: 25°C (77°F). Excluding possible shift caused by expansion or contraction of the media and/or by reloading the media.

\*5 Using Roland specified media, data size: 1,000 mm in the media-feed direction, 1,346 mm in the carriage-movement direction. No lamination. Automatic detection of crop marks at 4 points when media is reloaded. During cutting, [PREFEED] menu item must be set to "ENABLE." Temperature: 25°C (77°F). Excludes the effects of slanted movement and of expansion and contraction of the media.

\*6 During operation of the media take-up system, an operating range of approximately 80 mm back from the front edge of the dancer roller is required.

Roland VersaWorks System Requirements	
Operating system	Windows Vista® Ultimate Service Pack 1 or Business Service Pack 1 (32-bit edition), Windows Vista® Ultimate or Business (32-bit edition), or Windows® XP Professional Service Pack 2 or 3, or Windows® 2000 Service Pack 4
CPU	Pentium® 4, 2.0 GHz or faster recommended
RAM	1 GB or more recommended (Windows Vista®: 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
Application software compatible with Print&Cut	Adobe® Illustrator® 10, CS, CS2, CS3, CorelDRAW® 11, 12, X3

Options	Model	Description
ECO-UV Ink 220cc	EUV-MG	Magenta
	EUV-YE	Yellow
	EUV-CY	Cyan
	EUV-BK	Black
	EUV-WH	White
	EUV-GL	Gloss
Cleaning liquid	SL-CL	1 pc.
Blades	ZEC-U1005	Signage vinyl in general, 5 pcs.
	ZEC-U5025	Thick, reflective and fluorescent vinyl and signage vinyl in general, 5 pcs.
Blade holder	XD-CH2	Blade holder with blade extension adjuster, made of aluminum

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](http://www.rolanddg.com).



**ISO 14001:2004 and ISO 9001:2000 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.



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Roland®

DVE  
Digital Value Engineering

**VersaUV**  
**PRINT&CUT LEC-300**

Roland 30" UV Inkjet Printer/Cutter



UV  
LED

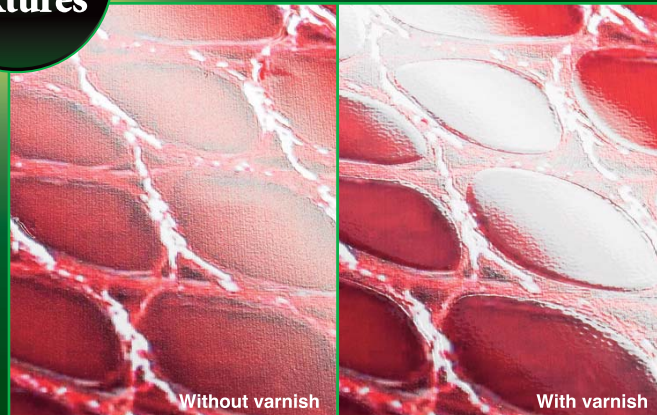


# Feel the Color

World's First Integrated UV Printer/Cutter Adds Texture and Dimension



## Realistic Textures



Textured faux crocodile skin produced in one seamless print using CMYK+multiple layers of clear varnish on PVC.

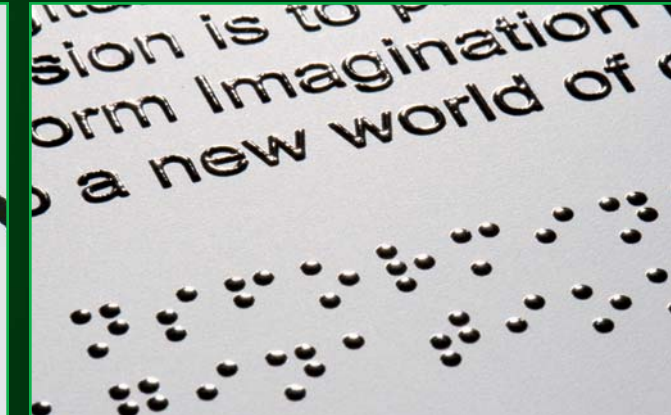


Produce a poster comp, complete with spot varnish on the specified paper stock, all at a minimum production cost.

## Solid 3D Impact



Create eye-catching 3D domed logos.



Print Braille using multiple layers of Roland ECO-UV inks.

## Media Options



Print directly on genuine leather for fashionable handbags and accessories.



Transform interiors with custom printed fabric décor.

## Print & Cut



Print and contour cut an entire product design comp on one device.



Print and contour cut short run labels on label stock using CMYK+W with spot varnish.

### Add Rich Textures and Dimension with Varnish

Inspire Your Creativity with Roland's most advanced printer/cutter ever. The Versa UV beautifully prints your designs in CMYK+White ink and finishes them with rich special effects created by multiple layers of clear coat varnish for unmatched versatility.

### Print Crisp, Clear Images on a Wide Range of Substrates\*

Roland's Eco-UV ink is durable and won't crack when flexed or stretched by applying PVC self-adhesive vinyl on an edge or curved surface. Print on paper including metallic surfaces for labels, decals, POP displays and posters. You can print original patterns and 3D domed corporate logos directly onto synthetic and natural leathers, window coverings, tapestries and other interior décor items. Versa UV also supports printing on foils, BOPP, PE, PET film, offset printing paper stock and more.

\*For best results, test print your LEC-300 graphics on each substrate before production.

### Print&Cut On Demand

With Versa UV, you can eliminate outsourcing for short production runs. There are no plates or film to produce. Simply design on your personal computer, send your file to the printer, and Versa UV does the rest, printing and digitally die-cutting your finished print to virtually any shape quickly and easily.



### Environmentally And User Friendly

Versa UV requires only low maintenance with simple setup and operation that ensure reliable results from the very first print through years of production. Long-lasting LED lamps do not need to cool down or pre-heat between uses and deliver an impressive life span of approximately 10,000 hours – up to five times longer than industry standard halogen lamps.



### Includes Powerful, Easy-To-Use VersaWorks RIP for Precision Color Management

Roland VersaWorks professional software RIP supports Roland Intelligent Pass Control™, a three-dimensional printing system, and the Roland Color System with powerful reference tools for precision spot color matching. And With VersaWorks, you get the Roland@NET auto update service, ensuring that you always have the most updated VersaWorks version and profiles available.

