VersaObject
RC-300

UV Helical Printer

Ahead of the Curve

Built for premium decoration on cylindrical, tapered and curved-profile products



PRINT BEYOND PERFECT CYLINDERS

PREMIUM DIRECT-TO-OBJECT OUTPUT

FROM PROTOTYPES TO SHORT RUNS

Expand what cylindrical printing can do

- Helical printing follows the object profile as it rotates, supporting tapered and curved-profile applications.
- Directly decorate bottles, cups, tumblers, flasks and containers without relying on labels or sleeves.
- Create seamless 360° graphics without a visible join, expanding what's possible beyond conventional rotary printing methods.

Create high-value finished products

- High-opacity white ink supports vivid graphics on transparent, coloured and dark objects.
- Decorative ink effects add premium visual and tactile finishes for packaging, personalisation and product decoration.
- EUV-H hard UV inks help produce durable graphics for demanding direct-to-object applications.

Move from concept to production faster

- Produce prototypes, limited editions and personalised products without the setup requirements of traditional decoration methods.
- Support seasonal campaigns, product testing and short-run packaging with a flexible digital workflow.
- Print directly onto liquid-filled bottles.

Roland

Additional Features

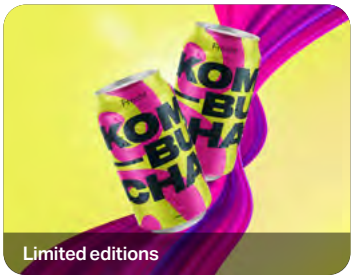
+ Object handling system supports accurate positioning and rotation of cylindrical, tapered and curved-profile products during direct printing.
+ VersaWorks 7 provides dedicated RIP tools for job setup, colour management and reliable output across direct-to-object applications.
+ Roland DG Connect supports printer monitoring, production visibility and maintenance information remotely.
+ Roland DG service and support help businesses adopt new cylindrical printing applications with greater confidence.


Short-run bottles



Cosmetic packaging


Custom branding


Limited editions

The RC-300 gives businesses options for flexible cylindrical and tapered object decoration, including direct printing onto liquid-filled bottles.

Technical Specs

		RC-300
Printing method		Piezo ink-jet method
Dimensions		1,599 mm x 840 mm x 783 mm (63 in. × 33.1 in. × 30.9 in.)
Weight		202 kg (446 lb.)
Media	Diameter	Max. 127 mm (5 in.) / min 45 mm (1.78 in.)
	Length	Max. 355 mm (13.9 in.) / min. 30 mm (1.19 in.)
	Taper	Max. 10°
	Weight	Max. 3 kg (6.6 lb.)
Printing/cutting width[1]		Max. 300 mm (11.8 in.)
Ink	Type	ECO-UV (EUV-HB) 1000 ml bottle
	Colors	Six colors (cyan, magenta, yellow, black, gloss, and white x 2) and primer
Ink-curing unit		Built-in UV-LED lamp
Resolution		Max. 1,200 dpi
Connectivity		Ethernet (100BASE-TX/1000BASE-T, automatic switching)
Power-saving function		Automatic sleep feature
Rated input		100-240 VAC, 50/60 Hz, 6.0 A
Power consumption	During operation	Approx. 550 W
	Sleep mode	Approx. 120 W
Acoustic noise level	During operation	65 dB (A) or less
	During standby	64 dB (A) or less
Included items		Power cord, cleaning liquid, drain bottle, User's Manual, software (VersaWorks, Roland DG Connect Hub), etc.