

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 transparent and liquid-filled bottles with the RC-300c, without using blackout filling material.

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.



The RC-300 Series gives businesses two configurations: the RC-300 Standard Model for flexible cylindrical and tapered object decoration, and the RC-300c Clear Support Model for direct printing onto transparent and liquid-filled bottles.

Technical Specs

		RC-300	RC-300c
Printing method		Piezo ink-jet method	
Dimensions		1,599 mm x 840 mm x 783 mm (63 in. x 33.1 in. x 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°	Max. 10° ¹
	Weight	Max. 3 kg (6.6 lb.)	
Printing/cutting width ¹		Max. 300 mm (11.8 in.)	
Ink	Type	ECO-UV (EUUV-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.	

¹ The vertical difference between the maximum diameter and the left edge of the print area: Max.10 mm (0.393 in.)
(When the distance between the UV irradiation unit and the object to be printed is set to 5 mm (0.2 in.))