



NC-CylinderElf-IV-A

High speed thermos cup digital inkjet UV printer

15 years of powerful brand, source manufacturer. The high-speed thermos cup digital inkjet printer independently developed by Nocai can realize 360° rotation printing and supports seamless, 5D relief, high drop and other forms of printing. The printing speed is as fast as 30 seconds per piece.

Product features

High precision and bright colors
Adopting 3 RICOHGEN5 and 1 RICOHGEN6 print heads, with reasonable function distribution, high precision and long service life, 8 colors + white + varnish, rich color and natural transition.

High drop printing creates more powerful shapes
It supports 13mm printing, and the laser automatically measures the product size to achieve precise positioning and print products of the opposite sex easily and perfectly.

Large-size printing creates more possibilities
The printing length is 80-280mm and the printing diameter is 45-160mm, which can meet the needs of various types of products such as thermos cups and pots, cylindrical electronic products, wine bottles, etc., and has a wide range of applications.

Fast printing speed and stable production
The Fourth-generation digital inkjet printer for thermos cups adopts spiral printing technology and produces 360° white color varnish at the same time. The printing speed is as fast as 30 seconds per piece, which is suitable for mass production mode.

The ultimate pursuit of intimate experience
The tilt control button can adjust the tilt according to the shape of the product, reduce the drop, and achieve tilt printing.

Easy to operate and easy to understand
The multi-diameter cylindrical jig can meet the printing needs of a variety of products. The bottle adjusting jig is equipped with scale adjustment for more convenient operation.

Carefully protected and durable
Multi-faceted protection of the print head, lift-type ink station design, pressure head sealing, the machine head is equipped with an infrared anti-collision sensor, the ink truck automatically stops when touched, and multi-faceted protection of the print head.

Stable ink supply and intelligent temperature control
The negative pressure ink supply system is used to make the ink supply more stable. The secondary ink cartridge and bottom plate have heating functions and intelligent temperature control, making printing more secure.

Diverse effects

Various colors and stable output
Adopting ICC color control technology, it is not limited by picture colors and can easily print multi-color, gradient and other effects. Accurate color control can be achieved during the production process.

Relief technology trend art
It can realize partial relief effect, full glossy effect, with anti-scratch and wear-resistant characteristics, while highlighting the sense of product hierarchy.

360 degree seamless splicing effect
The software adds a seamless splicing technology, which allows you to easily achieve a seamless splicing effect after setting the size. It is easy to operate and the effect is stunning.

Materials are widely used and have good adhesion
Supports a variety of printing materials, such as frosted/ smooth paint, stainless steel metal, plastic, bamboo, ceramics, wood, etc., with running water UV lamp control technology, segmented temperature control, and adhesion is fully guaranteed.

Applications

Thermos cup and pot industry
Car cup/Coke cup/Children's cup/Pocket cup/Simmering kettle/Insulated kettle/Egg cup/Beer cup/Coffee cup/Sports water cup/Straight thermos cup, etc.

Wine industry
Wine bottle caps/ceramic wine bottles/metal wine bottles/spray-painted wine bottles, etc.

Packaging materials
Cans/tea cans/vacuum toothpaste bottles/spray bottles, etc.

Household products
Flower arranging holder/pen holder/plastic cover for small household appliances/cylindrical small speaker, etc.

Green plant decoration
Ceramic flowerpots/small ceramic vases/cylindrical glass bottles, etc.

Product parameters

		NC-CylinderElf-IV-A	
Model number		RICOH GEN5*3 (V, C1, C2)	RICOH GEN6*1 (W)
Print head		two-color model:V	four-color model:C1, C2
Print head distribution		two-color model:W	two-color model:W
Number of nozzles		1280pcs	1280pcs
Nozzle spacing (Row to row distance)		0.55mm	1.101mm
Max.number of color inks		2 colors	4 colors
Jetting frequency		Binary mode: 30kHz Grayscale mode: 20kHz	Binary mode: 50kHz Grayscale mode: 40kHz
Drop volume		Binary mode: 7pl/Grayscale mode: 7-35pl*	Binary mode: 5pl/Grayscale mode: 5-15pl*
Nozzle spray force range			2-13mm
Print length			80-280mm
Cylinder/cone printing diameter range			Φ45-160mm
Taper printing range			<5°
Print version		White and color and varnish print at same time	
Print mode		CMYK+LcLmLkLk+V	
Resolution		720*900dpi/720*1200dpi	
Printer dimension	L*W*H	1631mm*915mm*1465mm	
N.W.		310KG	
Chiller weight		13KG	
Packing size	L*W*H	2.2m*1.17m*1.74m	
G.W.		400KG	
Rip software		RIIN	
Print speed range		30s-3min/pcs	
Graphic format		Tiff,Jpg,Eps,Pdf,Png,AI	
Connection method		Network cable	
Power		AC220V±10%, 50HZ-60HZ	
Rated power		1500W	
Working environment	Temperature Humidity Dust Illumination	20°C-28°C 35%-65% Avoid dusty environments Avoid direct sunlight	
Operating conditions		Environmental UV curing ink	
Ink type		Yes	
Taper electric adjustment function		Optional	
Height measurement function (modeling of special-shaped products)		Intelligent anti-collision of laser aiming	
Carriage and print head anti-collision		Optical fiber amplifier	
Printing material sensor		Water cooling	
UV curing method			

Computer configuration requirements:

- Operating system:Windows 7/8/10/11 (64 bits)
- CPU processor:i5, i7 and above
- Memory: 16G or above recommended
- Monitor:Recommended resolution 1024*1280 or higher
- Hard disk type: 128G or above
- Graphics card:Mainboard integrated graphics or independent graphics card (4GB video memory or above)
- Network card: Gigabit network card 1000M

*Computers, computer desks, and machine need to be self-provided

