



NC-CylinderElf-IV-D

High speed thermos cup digital inkjet UV printer

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
6 RICOH GEN6 print heads, the function is distributed reasonably, with high precision and long service life. 6 colors + white + varnish + primer, rich in color and natural transition.

High drop printing creates more powerful shapes
Supports high-drop printing of 2-20mm. Equipped with photosensor for automatic shape measurement, it enables precise positioning and easily meets the printing needs of special-shaped products.

Large-size printing creates more possibilities
With a printing length of 80-280mm and a diameter of 45-160mm, it is suitable for insulated cups and pots, cylindrical electronic products, ceramic wine bottles, etc.

Fast printing speed and stable production
It supports 360°-rotation printing to cover the surface of curved special-shaped products accurately; The speed can reach up to 30 seconds per piece, it is suitable for mass production mode.

The ultimate pursuit of intimate experience
The tilt control button can adjust the tilt angle flexibly according to different shapes of the product, reducing the printing drop effectively, so as to achieve the tilt printing effect smoothly.

Easy to operate and easy to understand
Multi-diameter cylinder jig can meet the printing needs of a variety of products, bottle adjustment fixture is equipped with scale adjustment, which is convenient for operation.

Carefully protected and durable
Lifting ink station design can achieve precise heading; The head is equipped with a laser projector, the ink cart will stop automatically once touched.

Stable ink supply and intelligent temperature control
The negative pressure ink supply system is used to ensure stable and smooth ink supply. The secondary ink cartridge and bottom plate are equipped with heating functions, combined with intelligent temperature control technology, to provide multiple guarantees for stable printing.

Diverse effects

Various colors and stable output
ICC color control technology can break through the color limitations of the picture, and print multi-color, gradient and other effects easily; you can control color precisely during production.

It can achieve local relief bright light effect and full bright light effect, with scratch resistance and wear resistance, while highlighting the sense of layers.

The software adds a seamless splicing algorithm, and the seamless splicing effect can be achieved easily after setting the size, which is easy to operate and the effect is amazing.

A variety of printing materials, such as frosted/smooth paint surface, stainless steel, metal, plastic, bamboo, ceramic, wood, etc., flowing UV lamp control technology, segmented temperature control, the adhesion is guaranteed completely.

Applications

Thermos cup and pot industry
Car Tumbler / Faceted Tumbler / Cola Cups / Diamond-shaped Tumbler / Kids' Cups / Pocket Cups / Thermal Jars / Insulated Pots / Egg Cups / Coffee Tumbler / Sports Bottles / Straight Insulated Mugs, 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-D
Model number		RICOH GEN6*5(Standard) / RICOH GEN6*6(Optional)
Print head		four-color model
Print head distribution		1280 (4x320 channels),staggered
Number of nozzles		1.101mm 4 colors
Nozzle spacing (Row to row distance)		Binary mode: 50kHz Grayscale mode: 40kHz
Max.number of color inks		Binary mode: 5pl/Grayscale mode: 5-15pl*
Jetting frequency		2-20mm
Drop volume		80-280mm
Nozzle spray force range		Φ45-160mm
Print length		< 5°
Cylinder/cone printing diameter range		Primer, white ,color and varnish come out at the same time
Taper printing range		CMYKLEm + W+V+Pr
Print version		720*900/720*1200/960*900/960*1200dpi
Print mode		1994mm*913mm*1535mm
Resolution		400KG
Printer dimension	L*W*H	13KG
N.W.		1.41m*2.13m*1.79m
Chiller weight		520KG
Packing size	L*W*H	RIIN
G.W.		30s-3min/pcs
Rip software		Tiff/Jpg
Print speed range		Gigabit Ethernet cable
Graphic format		AC220V , 50HZ/60HZ
Connection method		1500W
Power		25°C-28°C
Rated power		35%-65%
Working environment	Temperature	Avoid dusty environments
	Humidity	Avoid direct sunlight
	Dust	Environmental UV curing ink
	Illumination	Yes
Operating conditions		Optional
Ink type		Intelligent anti-collision of laser aiming
Taper electric adjustment function		Photosensor
Height measurement function (modeling of special-shaped products)		Water cooling
Carriage and print head anti-collision		
Printing material sensor		
UV curing method		

Computer configuration requirements:

- Operating system:Windows 10/11(64 bits)
- CPU processor:recommended i5,i7 and above
- Memory:16G or above recommended
- Display: 1920*1080 or higher is recommended
- Hard disk type:1 TB Solid state disk
- Graphics card:Motherboard integrated graphics or independent graphics card(4GB video memory or above)
- Network card:Gigabit network card 1000M

*Computers, computer desks need to be self-provided

