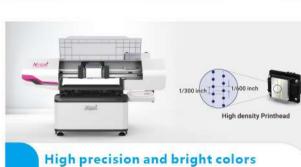# NC-UV0406-VI

Multifunctional small digital inkjet printer

NC-UV0406 is the first small digital inkjet flatbed printer with independent board in China, which defined printing format of 60*40cm.

The Nocai small digital inkjet UV printer has been iterated to the sixth generation. It has the characteristics of strong stability, compactness, space-saving, and diversified application scenarios. It is very suitable for personalized customization, such as entrepreneurship, on-site DIY customization, cultural creation, etc. The formats are all very appropriate.

Features

High precision and bright colors
Equipped with Epson I1600-U1 print heads, it can freely control the size of the ejected ink droplets, thereby reducing the graininess of the picture, presenting more picture details, smooth color transition, and high saturation.

Compact body, space-saving
Nocai adopts a safe and simple semi-enclosed body design. The transparent cover allows you to directly view the printing process, making it easy to put and take products and do the maintenance.

180 print height
It supports product thickness of 0-180mm and A2 printing format size, which can meet more printing needs without material restrictions and enjoy printing fun.

One machine with multiple functions to meet personalization
One machine has multiple uses. It can be equipped with an electric cylindrical jig to achieve 360-degree rotation printing. It can print on mugs, thermos cups and other cylindrical products to meet diverse personalized needs.

Delicate design, safe and worry-free
Air-cooled tilt lamp design protects the print head and reduces refraction. The high-precision honeycomb hard air-suction aluminum platform allows the printed product to be placed flat and better on the platform to ensure the printing effect.

Humanized design and easy operation
Humanized control panel design, easy management, one-click operation. Power on, calibration, operation and maintenance are easy to learn.
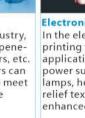
Strong stability, green and environmentally friendly
The design of the lifting and lowering ink station accurately controls the head position and comprehensively protects the print head. Using UV ink, bright colors, green and environmentally friendly.

Diversified effects, one-time molding
A variety of color combinations, diversified effects, no color restrictions, color, color white, embossed white color and other printing can be achieved in one go.

Industry application and effect display

Stationery industry
It is widely used in the stationery industry, such as pens, notebooks, pencil sharpeners, correction fluid, rulers, pen holders, etc. Nocai small digital inkjet UV printers can be customized according to needs to meet the diverse color change needs of the stationery industry.

Electronic products industry
In the electronic product industry, UV printing technology has various applications, such as: watches, mobile power supplies, electric toothbrushes, desk lamps, headphones, etc. By printing the relief texture, the value of the product is enhanced.

Gift industry
Nocai small digital inkjet UV printer is versy suitable for gift customization. It is not limited by materials, such as paper, wood, acrylic, glass, metal, etc., and can be printed directly. There are various types of gifts, and you can print one piece and customize it as you like.

Home decorations
In home decorations, it is usually used in personalized customized ornaments, wedding photos, artistic photos, etc. Nocai UV printer prints clear and lifelike images of people with bright colors, which is very suitable for e-commerce, self-employment and other scenarios.

Handicraft industry
Applications in the handicraft industry include: bookmarks, USB flash drives, refrigerator magnets, key chains, mouse pads, small mirrors, bottle openers, etc. Nocai UV printers print handicrafts not only with high precision and easy operation, but also with the ability to change images at any time to meet personalized customization.

Thermos cup industry
By installing a cylindrical jig, 360-degree rotating white color printing can be achieved, and mugs, thermos cups, electronic product shells, tea cans, cans, etc. can be personalized.

Sporting goods customization
In terms of sporting goods, UV printers take advantage of personalized customization. It is not limited by materials and can be painted directly on any material. It has the characteristics of bright color, good firmness and high wear resistance.

Cosmetics industry
UV process printing on cosmetic packaging materials such as eye shadow boxes, lipstick tubes, cosmetic mirrors, etc. can not only increase the added value of the product, but also be environmentally friendly and beautiful.

Packaging industry
It is very common for UV technology to be used in wine packaging such as red wine customization for weddings and personalized pattern customization for white wine. The effect is not only bright in color, but also embossed.

Computer configuration requirements:
Operating system:Windows 7/8/10/11 (64 bits)
CPU processor:Recommended I5, I7 and above
Memory: 16G or above recommended
Monitor:Recommended resolution 1024*1280 or higher
Hard disk type: 128G or above
Graphics card:Motherboard integrated graphics or independent graphics card
(4GB video memory or above)
Network card: Gigabit network card 1000M

Product parameters

Model number		NC-UV0406- VI
Print head		Epson I1600-U1*2
Print head picture		
Nozzle spray force range		2-3mm
Number of nozzles		1600 (Individual)
Distance between nozzles		1/300 inch
Number of nozzle rows		4
Maximum number of supported ink colors		4
Ink droplet ejection performance	2 levels of grayscale	5 pl (43.2kHz)
(Ink droplet volume and ejection frequency)	3 levels of grayscale	6,12.5 pl (21.6kHz)
	4 levels of grayscale	3,8,6,2,9.3 pl (21.6kHz)
Print size		400*600mm
Print height		0-180mm
Print version		White and color print at same time
Print mode		CMYK · W
Print resolution		720*600dpi / 720*900dpi / 720*1200dpi
Printer dimension	L*W*H	1443mm*850mm*760mm
N.W.		118KG
Packing size	L*W*H	1.65m*1.03m*0.96m
G.W.		190KG
Rip software		HeatPRINT MiniServer 19 Nocai Edition
Print speed	High quality mode (8pass)	5.5-15.5min/version
	Standard production mode (6pass)	3.5-10min/version
	High-speed production mode (4pass)	3-7min/version
Graphic format		Tiff,Jpg,Eps,Pdf,Png,AI,Psd
Connection method		Cable
Power		AC220/110V±10、50HZ~60HZ
Rated power		143W
Working environment	Temperature	20°C-28°C
	Humidity	35%-65%
Operating conditions	Dust	Avoid dusty environments
	Illumination	Avoid direct sunlight
Ink type		Environmentally friendly UV curing ink

Fixture (optional)

Electric cylinder fixture		
Support cylinder diameter		Φ30-120mm
Support cylinder length		40~430mm
Applicable materials		Spray paint cup, stainless steel, plastic, glass, ceramic, wood, acrylic, etc.
Round bottle printing method		C+W (Round bottle mode does not support varnish printing)
Round bottle printing size		3-20mm/individual
Cylindrical fixture packaging dimensions	L*W*H	68*39*14cm
Cylindrical fixture packaging weight		12KG