

NC-UV1314-II

Large format visual positioning UV printer

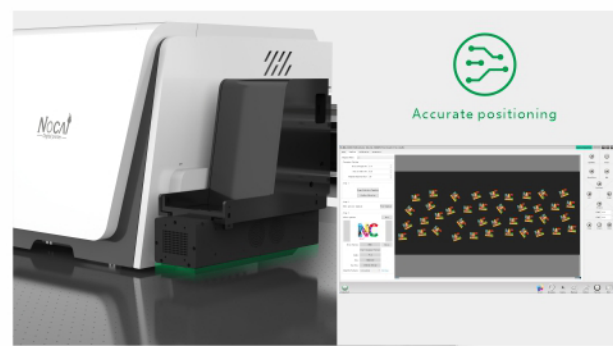
NC-UV1314-II printer with new visual recognition and positioning function, which can identify position accurately, and solve the problem of product positioning easily; 8 color+W+Varnish+Primer, high color saturation and delicate color, primer can be printed directly, strong adhesion save time and labor cost; 2-8mm concave and convex printing. It can be used in hardware badges, arts and crafts, advertisements and packaging industries; 1300*1400 mm printing format can achieve mass production.

Features

New visual positioning system

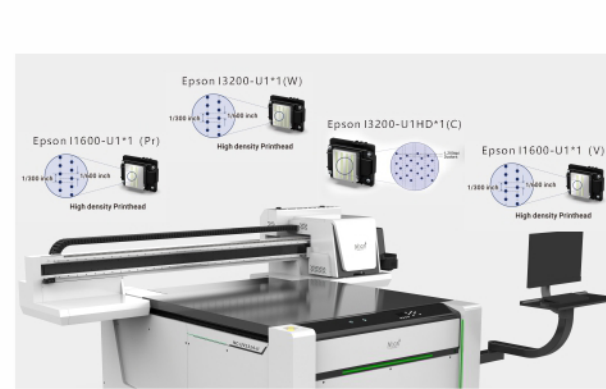
Precise position identification

High-definition camera scanning, precise recognition of material contour texture; integration for visual software system, change the history of sets of software interaction, easy and fast operation; the images can locate automatically and accurately, the recognition error is controlled within ±0.1mm.



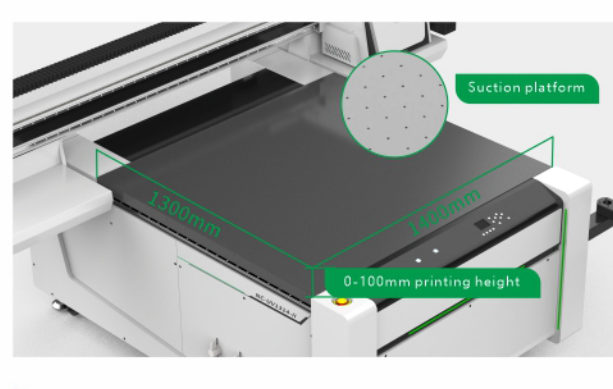
8 color +white+varnish+primer printing at the same time

4 different printheads, the highest definition is 1200 dpi. White, color and varnish can be printed out at the same time, high color saturation, primer can be printed partially, which save time and labor cost.



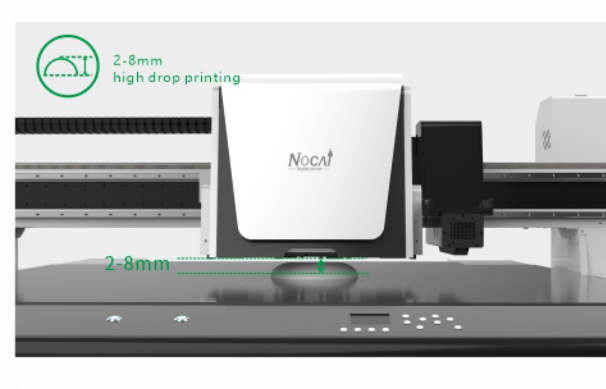
1400X1300mm printing format

1400X1300mm printing format, 0-100mm printing height, meet the printing needs for different industries, with suction platform can make the material flat, printing speed can reach up to 2 square/hour, which is very easy to achieve mass production needs.



Supports 2-8mm high drop printing

Controlled by intelligent software which supports 2-8mm high drop printing, reducing the flatness requirements of printing media and meeting the uneven surface printing requirements of some products.



Precise materials Stable output

The X-axis uses imported double-row guide rails, linear motor drive, and magnetic grid to read data to ensure higher printing accuracy. All-steel integrated structure design, strong stability. Nuocai select material finely and pay attention to the adaptability of the machine, so that the printer can print more stably.



Color screen Easy operation

Color screen, various internal functions, one key can be used for nozzle testing, cleaning and maintenance, language switching, etc., the operation and maintenance instructions are clear, and the operation is convenient.

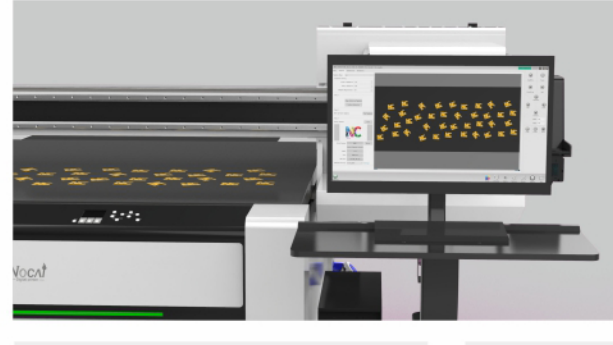


Application

The NC-UV1314-II large format and visual positioning UV printer is mainly for the large format production and customers that require high positioning accuracy. It helps the users to solve the positioning problems of products and pictures during printing. It can also help users to solve the core points such as high cost of molds and frequent replacement of molds. The visual positioning and printing software is highly integrated, operation can be very easy and quick. It can improve product qualification rate and energy efficiency effectively. At the same time, the machine is widely used in hardware badges, craft and gift, toy, advertising signs, packaging and other industries. There is no need for making plate, adjusting the color. The machine offers the advantages of instant drying and rich colors.

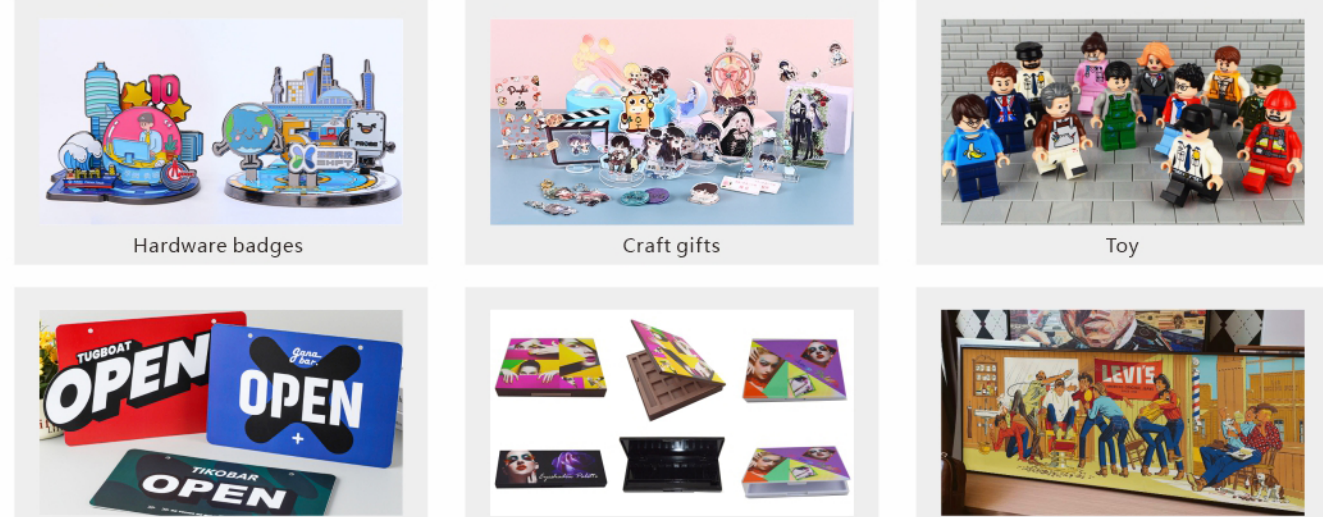
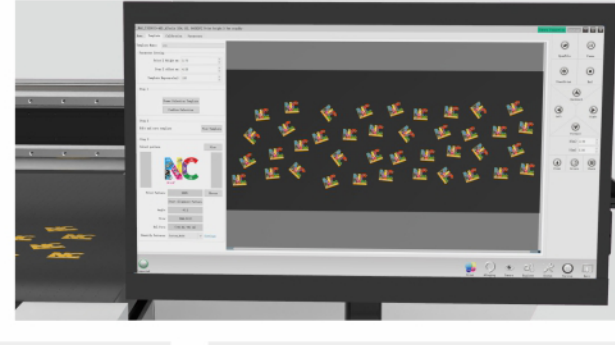
Farewell to relying on printing wire frames or customized product mold positioning.

During mass production of products, the software automatically scans the product contours and lines and identifies corresponding patterns to match them. This eliminates the need for manual placement of products or customized product molds through printing wire frames, and eliminates the need for secondary drawing and layout. While saving labor and mold customization costs, it thoroughly solves the pain point of low yield caused by inaccurate product positioning in the user's production process, greatly improving printing production efficiency.



Solve the problem of difficult positioning of irregular products.

Solving the problem of difficult positioning of irregular products has always been a challenge. With visual positioning function, users do not need to customize complex molds for irregular products separately. Within the scanning range of the platform, irregular products can be placed arbitrarily, and the software will automatically scan, locate, match, and print. Thoroughly solve the pain points of difficult printing and positioning of irregular products, and improve user experience.



- Computer configuration requirements:**
- Operating system: Windows 10/11(64 bits) Professional version
 - CPU processor: 12th generation for Core i7 or above (With core graphics card)
 - Memory: 128G or above recommended
 - Hard disk type: 1 T Solid state disk
 - Graphics card: With no need for independent graphics card
 - Network card: Gigabit network card 1000M (Double internet port)
 - Displayer: Resolution ratio 1920*1080 is recommended



Parameter

Model number		NC-UV1314-II			
Printhead configuration		Epson 13200-U1*1(W)	Epson 13200-U1HD*1(C)	Epson 11600-U1*1 (V)	Epson 11600-U1*1 (Pr)
Print head picture					
Nozzle spray force range		2-8mm	2-8mm	2-8mm	2-8mm
Number of nozzles		3200	3200	1600	1600
Distance between nozzles		1/300 (inch)	1/300 inch	1/300 inch	1/300 inch
Number of nozzle rows		8	8	4	4
Maximum number of printing ink colors		4	8	4	4
Droplet ejection performance (droplet volume and of grayscale ejection frequency)		2 levels of grayscale	5 pl (43.2kHz)	5 pl (43.2kHz)	5 pl (43.2kHz)
		3 levels of grayscale	6,12.5 pl (21.6kHz)	6,0-12.5pl (21.6kHz)	6,12.5 pl (21.6kHz)
		4 levels of grayscale	3.8,6.2,9.3 pl (21.6kHz)	3.8-6.2-9.3pl (21.6kHz)	3.8,6.2,9.3 pl (21.6kHz)
Print size		1400*1300mm			
Print height		0-100mm			
Print version		Primer, white ,color and varnish come out at the same time			
Print mode		4C+W / 4C+W+V / 4C+W+Pr / 8C+W / 8C+W+V / 8C+W+V+Pr			
Resolution		720*900dpi / 720*1200dpi			
Printer dimension		L*W*H 2532*2836*1358mm (Including computer stand)			
N.W.		653KG			
Body packing		L*W*H 2209*3010*1568mm			
G.W.		995KG			
Rip software		RIIN			
Print speed range		Four - color: 2.98-7.42m ² /h		Eight - color: 1.35-4.19m ² /h	
Graphic and text format		Tiff/Jpg/Pdf			
Connection method		Gigabit Ethernet cable			
Rated power		AC220V, 50HZ/60HZ			
Voltage		1900W			
Working environment		Temperature: 25°C-28°C		Humidity: 35%-65%	
Operating conditions		Dust: Avoid dusty environments		Illumination: Avoid direct sunlight	
Ink type		Environmentally friendly UV curing ink			

Visual positioning device	
Identification method	Cart identification
Camera scanning range	1400*1300mm
Print positioning accuracy	0.1mm
Camera recognition height	0-8mm
Full scan time	2 minutes 30 seconds