

ARTISTIC WORK THE PICK ON THE MARKET



NC-UV9060

Visual positioning UV printer

The new machine NC-UV9060 of Nuocai comes with the new function of visual identification and positioning, which identifies the location accurately and solve the positioning problems easily; 8 color + white + varnish, high-quality and photo-frame output for color picture, supports 2-12mm concave and convex printing; Excellent workmanship, combining stability, convenience, speed and quality all in one; Help the users to solve the practical problems and meet the different needs for users from multi-direction.

Features

New visual identification and accurate positioning

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

Three different original imported and durable printheads with high-precision, 8 color+white+varnish, high-saturation color presentation to meet high-quality output need for customer.



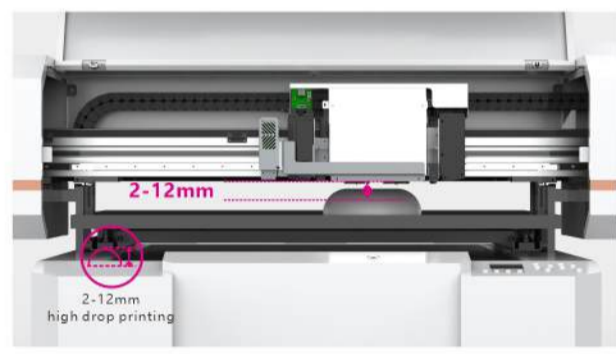
0-180mm printing space

Printing space up to 180mm, platform format 900*600mm, meet the printing needs for different industries; cylindrical fixtures are available to support the printing of cylindrical or conical products such as mugs, thermal cups and plastic tubes.



Supports 2-12mm high drop printing

Controlled by intelligent software which supports 2-12mm high drop printing, reducing the flatness requirements of printing media and meeting the uneven surface printing requirements of some products.



High precision, high stability and integrated machine chassis

The chassis of the aluminum alloy mold opening and assembly molding machine is aligned by a CNC milling machine, and the machining accuracy of the guide rail surface is controlled within 0.02mm. Its materials are solid, not easy to deform, and has high stability.



Details highlight quality

The left and right stretching design of the operation panel avoids operational errors caused by the plate table which will block the panel during machine operation, improving the user experience.



Application

The NC-UV9060 visual positioning digital inkjet printer is mainly for the hardware badge industry and industries 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 toy, craft and gift, 3C digital, beauty makeup, stationery, 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.

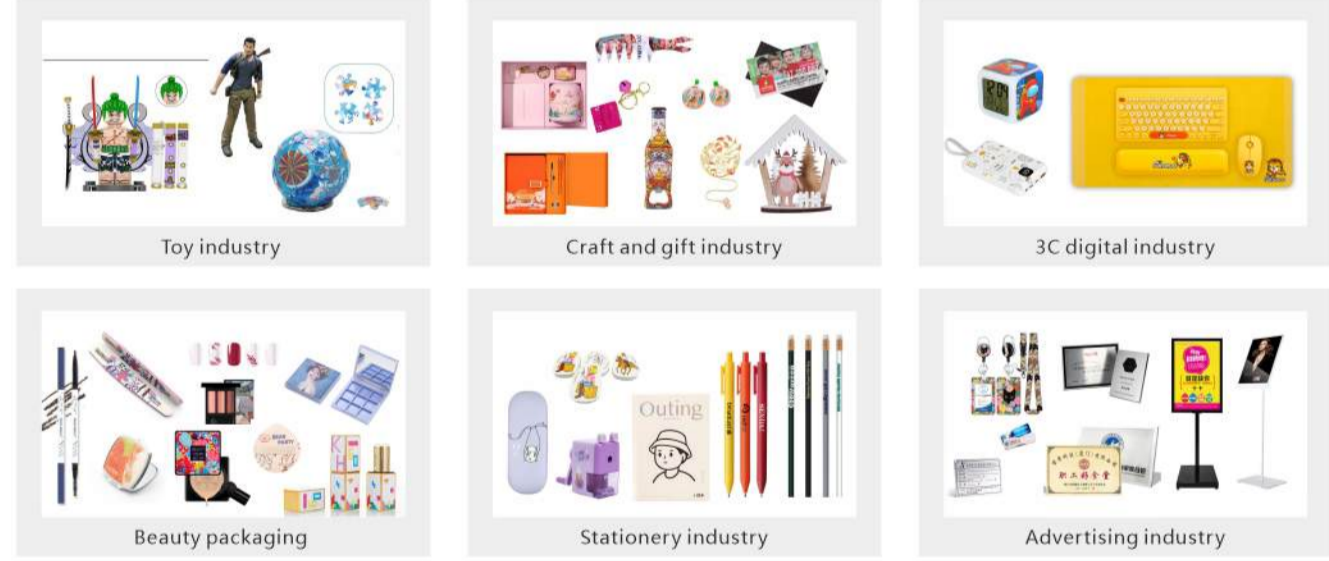
Farewell to relying on printing wire frames or customized product mold positioning.

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 printed 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.

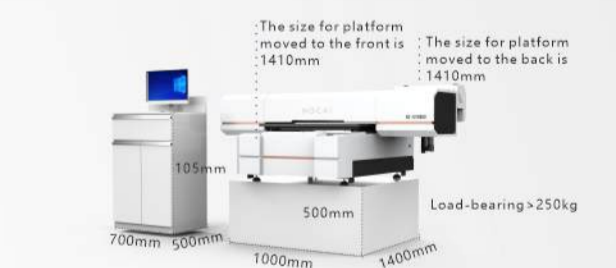


Solve the problem of difficult positioning of irregular products.

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
 Memory: 32G 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 2 connectors
 Displayer: Resolution ratio 1920*1080 is recommended



Parameter

Model number	NC-UV9060		
Printhead configuration	Epson I3200-U1*1(W)	Epson I3200-U1HD*1(C)	Epson I1600-U1*1 (V)
Print head picture			
Nozzle spray force range	2-12mm	2-12mm	2-12mm
Number of nozzles	3200(individual)	3200(individual)	1600(individual)
Distance between nozzles	1/300 (inch)	1/300 inch	1/300 inch
Number of nozzle rows	8	8	4
Maximum number of supported ink colors	4	4	4
Nozzle physical resolution	300npi/1list 600npi/2List	300npi/1list, 600npi/2list, 1200npi/1list	300npi/1list 600npi/2list
Droplet ejection performance (droplet volume and ejection frequency)	2 levels of grayscale 2 levels of grayscale	5 pl (43.2kHz) 6,12.5 pl (21.6kHz) 3.8,6.2,9.3 pl (21.6kHz)	5 pl (43.2kHz) 6,12.5 pl (21.6kHz) 3.8,6.2,9.3 pl (21.6kHz)
Print size	900*600mm		
Print height	0-180mm		
Print version	White, Color & Varnish		
Print mode	CMYK Lc Lm Lk Lk+W+V		
Resolution	720*600dpi / 720*900dpi / 720*1200dpi		
Printer dimension	L*W*H 1998mm*1298mm*787mm		
N.W.	250KG		
Packing size	L*W*H 2160mm*1460mm*1000mm		
G.W.	450KG		
Rip software	FlexiPRINT MiniServer 22 Nocai Edition		
Print speed range	High quality mode (8pass) Standard production mode (6pass) High-speed production mode (4pass)	9-23min/version 7-17min/version 4-12min/version	
Graphic and text format	Tiff, Jpg, Eps, Pdf, Png, Ai		
Connection method	Cable		
Rated power	AC220V/110V±10, 50HZ-60HZ		
Voltage	470W		
Working environment	Temperature Humidity	20°C-28°C 35%-65%	
Operating conditions	Dust Illumination	Avoid dusty environments Avoid direct sunlight	
Ink type	Environmentally friendly UV curing ink		

Fixture (optional)

Visual positioning device		Electric cylinder fixture:	
Identification method	Cart identification	Support cylinder diameter	Φ30-120mm
Camera scanning range	900*600mm	Support cylinder length	40-430mm
Camera recognition accuracy	0.1mm	Applicable materials	Sprayed paint cup, stainless steel, plastic, glass, ceramic, wood, acrylic, etc.
Camera recognition height	0-8mm	Round bottle printing method	C+W (Round bottle mode does not support varnish printing)
Full scan time	Around 90s	Round bottle printing speed	3-20min/individual