



NC-UV60

Streamlined Ai visual UV printer

Nocai streamlined Ai vision UV printer does not need to print product positioning frames, and all kinds of special-shaped materials are placed on the platform for automatic identification. The mode of printing while scanning can save time and labor costs. Primer, white, color and varnish can be printed at the same time, which not only increases the adhesion of the product, but also solves the pain points such as uneven manual application and sticky dust for a long time, and improves the yield of the product greatly. The accuracy can reach up to 1200dpi, and the color reproduction is high. All-steel integrated structure design, strong stability. One machine has multiple purposes, and the external material receiving fixture can be used to achieve roll-to-roll printing.

Features

Ai visual positioning Accurate identification

The AI intelligent visual positioning system uses multiple high-definition cameras to scan the contour texture of the material accurately, and the automatic positioning accuracy error is $\pm 0.1\text{mm}$, which is convenient and fast to operate.



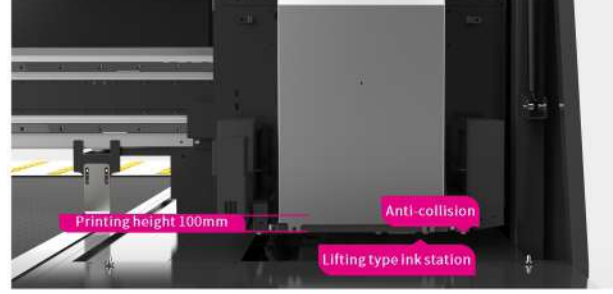
Streamlined, scan and print simultaneously

There is no need to typeset, and the assembly line can be printed while scanning, which save time and labor costs. At the same time, it is compatible with a variety of products, no need to customize fixtures, and save additional investment costs.



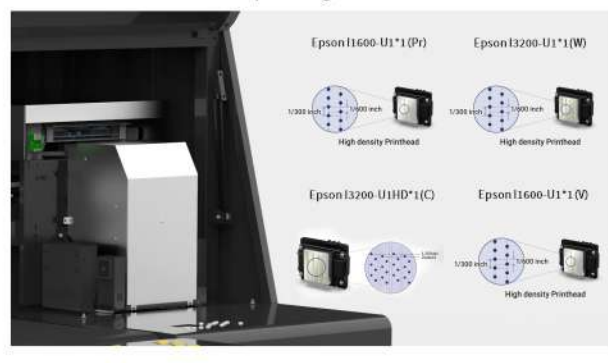
Well-designed, no restriction on materials

The design of the lifting type ink station controls the position of the head accurately and protects the printhead in all directions. The operation and maintenance are simple, and the nozzle can be cleaned and maintained with one click. Materials are not restricted, such as: metal, glass, acrylic, plastic, wood, etc.



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

4 high-precision, durable and imported print heads. Primer can be sprayed out directly to enhance adhesion, which can save time and labor. The highest precision can reach 1200dpi, high color reproduction, and it can achieve embossed brightness, frosted and other effects to meet the needs of customers with different printing effects.



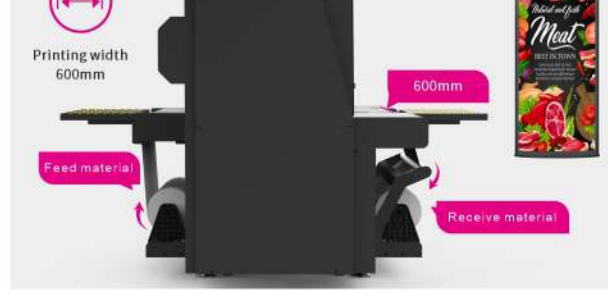
High-quality materials with strong stability

All-steel integrated structure design, strong stability. High-strength industrial belt, platform accuracy less than 5 wires, equipped with suction function, stable material printing and transmission.



One machine with multiple uses and a wide range of applications

The width can reach up to 600mm for coil material. The receiving material device is placed externally to achieve roll-to-roll printing, which is not limited by materials. It is suitable for outdoor PP, PP adhesive, light sheet, lamp cloth, canvas, reflective film, car sticker, PVC soft film and other coils.



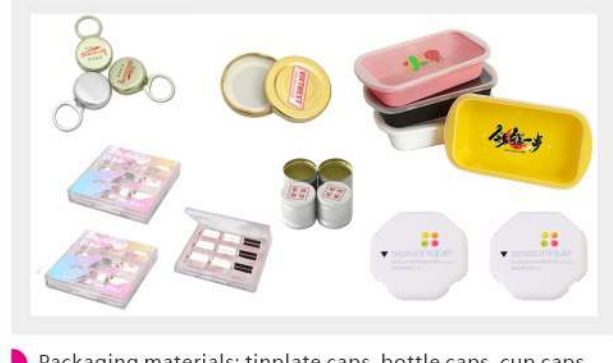
Application



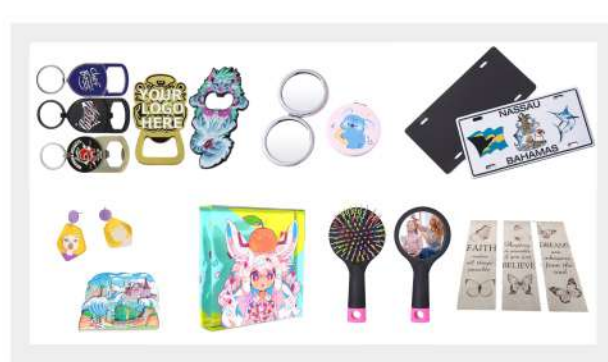
Hardware badges: badges, refrigerator magnets, school emblems, company emblems, keychains, metal bookmarks, commemorative badges, metal medals, commemorative coins, animation brooches, cultural and creative gift badges, trendy toy badges, etc.



Stationery industry: pencils, ballpoint pens, notebooks, pencil cases, school bags, ruler pens, pencil sharpeners, correction fluid, rulers, pen holders, staplers, erasers, glasses cases, bus cards, ID card holders, etc.



Packaging materials: tinplate caps, bottle caps, cup caps, skin care product packaging boxes, electronic product plastic cases, disposable packaging, etc.



Craft gifts: combs, keychains, bowling balls, refrigerator magnets, wishing cards, bookmarks, earrings, bottle openers, portable mirrors, mouse pads, crystal ornaments, couple candle holders, resin ornaments, personality ornaments, commemorative gift boxes, tea gift boxes, etc.



3C digital products: power banks, headphones, electric toothbrushes, mice, keyboards, mobile phone cases, Ipad cases, remote control cases, USB flash drives, etc.



Advertising industry: ID cards, hardware signs, signs, table number plates, acrylic billboards, advertising light boxes, KT boards, car stickers, floor stickers, indoor and outdoor advertising, etc.

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
Display: Resolution ratio 1920*1080 is recommended



*Computers and computer desks need to be self-provided

Parameter

Model number		NC-UV60			
Printhead configuration		Epson I1600-U1*1 (Pr)	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	2-12mm
Number of nozzles		1600个	3200个	3200个	1600个
Distance between nozzles		1/300 inch	1/300 (inch)	1/300 inch	1/300 inch
Number of nozzle rows		4	8	8	4
Maximum number of supported ink colors		4	4	8	4
Droplet ejection performance (droplet volume and ejection frequency)	2 levels of grayscale	5 pl (43.2kHz)	5 pl (43.2kHz)	5pl (43.2kHz)	5 pl (43.2kHz)
	3 levels of grayscale	6,12.5 pl (21.6kHz)	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)	3.8,6.2,9.3 pl (21.6kHz)
	of grayscale		600mm*infinately		
Size					
Positioning accuracy			0.1mm		
Recognition height			0-8mm		
Recognition system			Ink head scanning vision		
Print mode			Cycle step mode while scanning		
Thickness			0-100mm		
Resolution			720*900dpi / 720*1200dpi		
Print mode			CMYKLCmLkLk+W+V+Pr		
Applicable materials			Glass, plastic, acrylic, metal and wood.		
Print speed			1.23-2square/hour		
Software			FlexiPRINT MiniServer 22 Nocai Edition		
Print format			Tiff,Jpg,Pdf		
Size		L*W*H	2290mm*2000mm*1505mm		
N.W.			575kg		
Packaging size		L*W*H	2100mm*1700mm*1670mm		
G.W.			700KG		
Connection method			network cable		
Voltage			AC220V $\pm 10\%$ 50HZ~60HZ		
Rated power			380W		
Working environment			Temperature 25°C-28°C Humidity: 35%-65%		
Operating conditions			Avoid dusty environments and direct sunlight		
Ink			Environmentally friendly UV curing ink		
Cartridge capacity			500ml/color		

Coil pattern			
Material thickness		0.2-0.5mm	
Roll paper specifications	Weight	Within 10KG	
	Width	30-600mm	
	Diameter	Within 150mm(three-inch core,75mm)	
Material		High-gloss photo paper, outdoor PP, PP adhesive, light sheet, lamp cloth, oil canvas, reflective film, car sticker, PVC soft film, etc	
Print speed		/	