

Specification

Product Model	LC-UV1613
Number of Printheads	1-8
Printhead Type	Ricoh Gen5 / Gen6; EPSON i3200U1
Printhead Height	0-100mm
Printhead Cleaning	Fully automatic cleaning with anti-clogging, flash spraying, and automatic moisturizing functions
Ink Type	UV Ink
Ink Colors	CMYK+W(white cokor)+V(Varnish)
Ink Cartridge Capacity	1500ml per color
Ink Supply Method	Positive Pressure Continuous Ink Supply
Printing Width	1600 * 1300 mm
Media	Tablets, cubes, and cylinders can be printed directly; suitable for materials such as glass, metal, plastic, wood, and cardboard.
Printing Mode	Color Only/W+Color/Color+W/W+Color+V
Fixture configuration	Cylinder/Pen fixture(optional)
Curing System	LED UV light cured
Sensor device	Geomagnetic magnets automatically measure height sensing
Operation Language	Chinese/English
Computer System	Win11/Win10/Win7
Working Environment	Temperature range 18°C-25°C; Humidity range 35%-65% Rh
Printing Interface	USB
RIP Software	PrintFactory (standard) / MainTop / PhotoPrint
Power Parameters	AC 220V, 50Hz/60Hz
Power (W)	7500W
Noise Level	Standby < 32dB, operating ≤65dB
Machine Dimensions	3750*2100*1450mm (L * W * H)
Machine Weight	910 kg

Specification do as present one, if there is a change without notice

Service hot line: 400 - 717 - 6789

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UV Flatbed Series—Multi-Printhead

LC-UV1613

UV Flatbed Printer

Printing Width: 1600*1300mm

ZHENGZHOU YUCAI ELECTRONICS TECHNOLOGY CO.,LTD

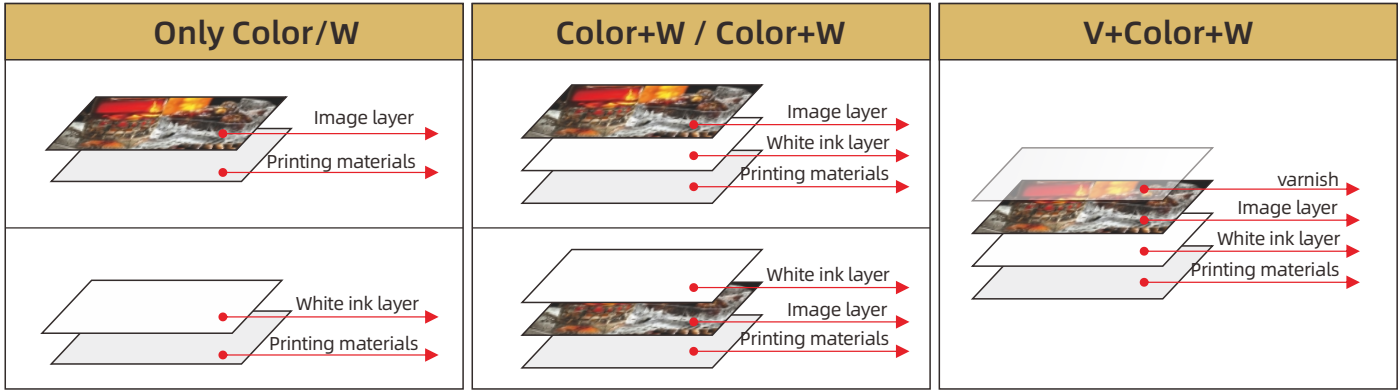
Print head speed

● Printing speed with 3 & 6 printhead (CMYK + White+V)

Type	Mode	GEN6 * 6PCS	I3200U1 * 3PCS
4 pass		51m ² /h	20m ² /h
6 pass		42m ² /h	17m ² /h
8 pass		36 m ² /h	13m ² /h

Print Mode

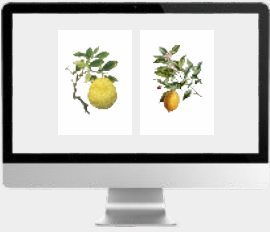
- The multi-layer imaging technique can quickly produce the relief and other 3D image effects on the printing materials, with the sense of carving and the sense of concave and convex within reach.



Production and Usage Steps

Design on Computer:

Create the desired graphic with dimensions matching the print object. Ensure resolution $\geq 300\text{dpi}$ and use CMYK color mode.



Printer Setup:

Calibrate the printhead and adjust the platform height to fit the object's thickness. For light-colored objects, print the color layer directly; for dark-colored ones, apply a white base layer first, followed by color. An optional varnish layer can be added for enhanced durability.



Final Output:

The UV printer supports customized pattern printing on various materials, including plastic, metal, glass, wood, and more.



Computer Configuration Requirement

- ▶ Win7/Win10/Win11 home 64 byte operation system
- ▶ CPU: Core i5 at least
- ▶ Memory: 6G at least
- ▶ Hard disk: 256G fast (7200 PRM)
- ▶ Network: Gigabit LAN
- ▶ Monitor: 17 inch flat panel display , true color display card , support resolution above 1024X768.

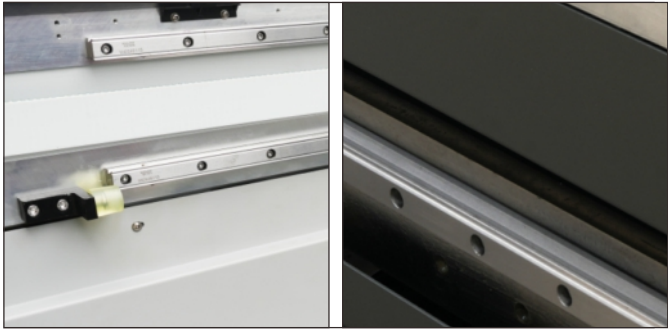


Higher precision at mechanical design



Internal Carriage Setup

Collision avoidance sensors are installed on both sides of the printhead to help prevent collisions with obstacles, effectively protecting the printhead and reducing losses. Professional static eliminators are installed above the UV lights on both sides of the printhead, effectively avoiding static interference during printing and improving printing quality and precision.



Transmission System Ensures Stable Printing

The X-axis adopts a dual linear guide rail transmission system, ensuring greater stability of the carriage during printing. The Y-axis employs a linear guide rail + ball screw dual transmission control system, guaranteeing stability during Y-axis movement and ensuring precise Y-axis motion trajectory.



Ink Supply System

Each ink channel has an independent temperature control system to ensure smooth ink flow and prevent color mixing. Independent negative pressure for color and white inks allows separate suction cleaning for each color, with adjustable suction pressure for smarter and more convenient operation. White ink agitator prevents sedimentation of white ink.

Intelligent Power-Off Resume Printing System

The machine operation control is equipped with a power-off resume printing system. In case of a power outage, the machine seamlessly resumes printing the unfinished image after power restoration, offering smart and hassle-free operation.

High-Quality Machine Frame

The entire machine adopts a steel frame structure with quenching treatment. The platform is highly flat with precision (within 0.1 mm) and undergoes high-temperature annealing to ensure greater stability and prevent deformation.

Application

Direct to print on Acrylic/ Metal/ Wood/ Glass



cylinder

