artis 5000U, A2+ LED UV HIGH PRODUCTION PLATFORM

EXPAND YOUR BUSINESS, PRINT BIG AND UP TO 25 CM (9.84 in) HEIGHT

CMYK+WWWW / CMYK+WW+V V Ink System

Up to 720*2880 DPI

A2+, 50*70 cm (19.68*27.56 in)

3D Embossed printing

Spot Varnish printing availability for glossy diamond effect and matte print finish

Print bigger and 2X faster

ROT 360 degrees rotary technology on demand for bottle and cylindrical items printing with full spin and seamlessly jointed prints

Braille Printing Program for ADA compliant signs

Textured and embossed large format photo realistic printing

Optimal for printing on both **rigid and flexible substrates & Direct printing** on dark and transparent materials

Ideal for printing signage, packaging, decoration (wood printing, ceramics, glass, plastics, aluminum. etc...), bottle & cylindrical printing, posters, promotional items to more

⭐ Upscaled Features

Optimal cost saving with the smart **Refillable Ink Cartridges Continuous Ink Supply System**

Commands insert on demand

Feathered printing rendering mode

Automatic error checking on boot with error reporting

Printhead height **self adjustment** and simplified operation and maintenance

Extended printhead life time with the **flash on ink firing technology**

Interlaced curing sytem

Built in liquid cooling control system

Versatile printing with the **LED UV power level adjustment**

Y axis servo motor for increased printing quality and **Unique lateral loading** architecture

🖨 Applications
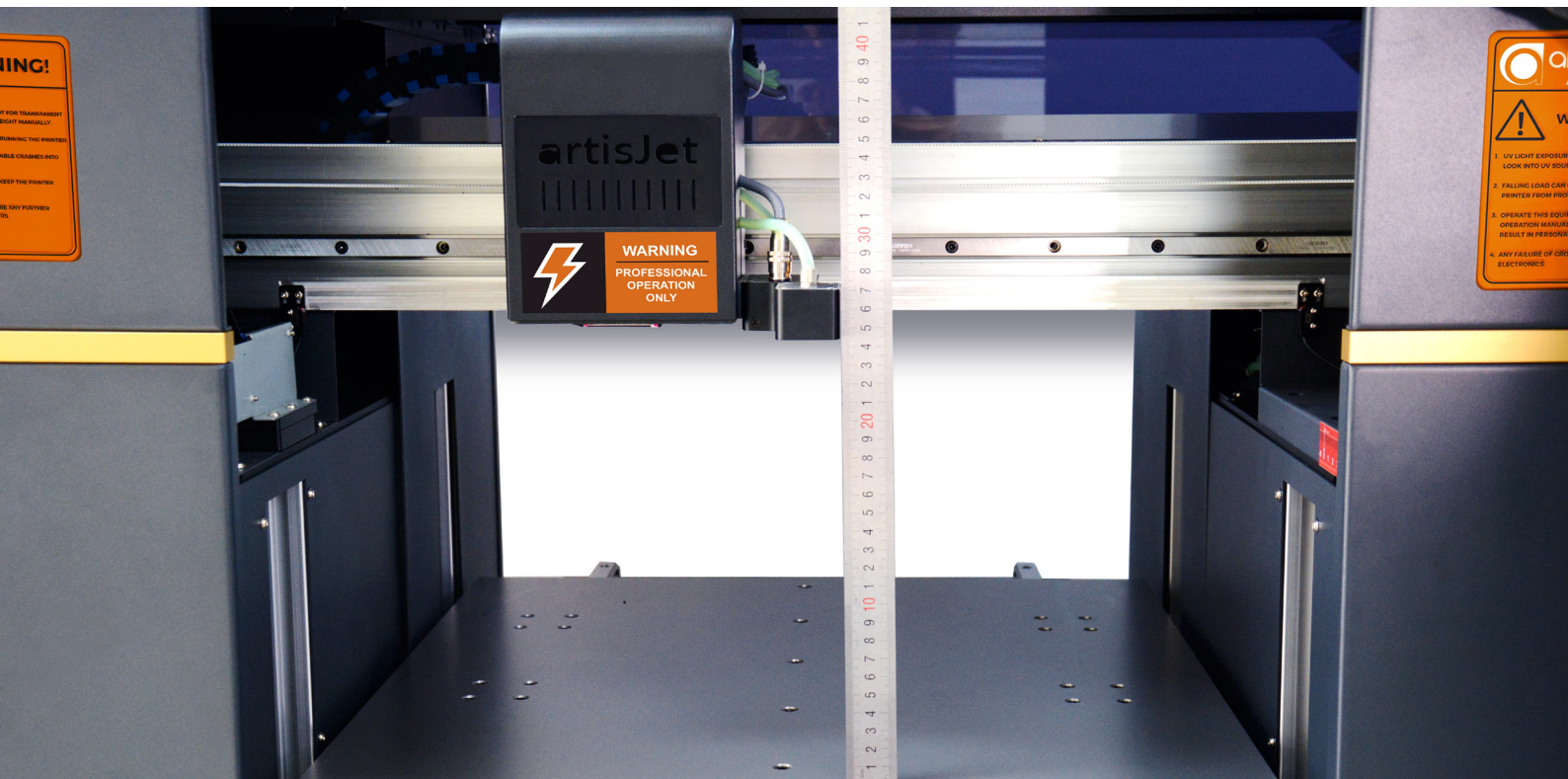
Spot Varnish media	Leather cosmetics bag	Bottles & Cylindrical items	CD & Vinyl Records	Awards and Trophies

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25 CM HEIGHT UPGRADE & VERSATILE ON DEMAND CUSTOMIZATION

⚙ Technical Specification

Printing specification

Print speed		5 minutes for Full 50 * 70CM @ 720*720 DPI for 4 pass bidirection print mode
Printing technology		UV LED (Built in water cooling)
Ink		artisink DTS3 cartridges (CMYK+WWWW / CMYK+WW+V V)
Media	Applications	Signage, packaging, decoration (wood printing, ceramics, glass, plastics, aluminum...etc...), posters, promotional items, bottle & cylindrical printing
	Printing Size	500 x 700 mm (19.68 x 27.56 in)
	Height	up to 25 cm (9.84 in) on demand customization
	Rotary Print	On Demand artisJet ROT 360 degrees device
Printing	Printing modes	4 pass 8 pass 16 pass
	Print Resolution	Up to 720 x 2880 dpi
	Print Head	On demand Epson DX7 piezo electric printhead. Made in Japan

Printer specification

Connectivity	Nozzles	Variable dot size printing technology, starting from 3 pl and up to 10 pl
	Ports	USB 2.0
	Operating systems	Windows
Dimensions	Depth x Width x Height	Printer 1060 x 980 x 730 mm (41.73 x 38.58 x 28.74 in) Shipping 1160 x 1180 x 980 mm (45.66 x 46.45 x 38.58 in)
Weight		Printer 190 Kg, Shipping 225 Kg
Content of the box		artis 5000 U, USB cable, Power cable, User manual book, spare parts package, Driver CD, Ink Chips, Ink tunnels, SCM Cable, Power fuse, RIP Software, Extra back-up Damper
Environmental ranges		10 - 35 °
Power consumption and requirements		AC100V～240V±10%. 0.5kVA
Certification		CE / FCC / RoHS / REACH certified
Warranty		Two years warranty

⬇ Ordering Information

Printer	artis 5000U A2+ LED UV
Ink Cartridges	DTS Direct to Substrate artisInk
DTS3 - 150-001	Cyan UV LED Ink DTS3, 150ml
DTS3 - 150-002	Magenta UV LED Ink DTS3, 150ml
DTS3 - 150-003	Yellow UV LED Ink DTS3, 150ml
DTS3 - 150-004	Black UV LED Ink DTS3, 150ml
DTS3 - 150-005	White UV LED Ink DTS3, 150ml
DTS3 - 150-006	White UV LED Ink DTS3, 150ml
DTS3 - 150-007	Varnish UV LED Ink DTS3, 150ml
DTS3 - 150-008	Varnish UV LED Ink DTS3, 150ml

Cleaning agent

AJCA-U-500-001	Cleaning agent for LED UV inks, 500 ml

Fixing agent

AJCP-U-500-001	Fixing agent A/B liquids for UV LED inks, 500ml

🌿 ECO 🌿

Go green with artisJet's DTS3 UV inks. Print toxin free and virtually odorless. DTS3 UV inks are environmentally friendly. UV inks are cured and fixed to the substrate when being activated with UV light. The curing process hardens the ink, without any evaporation. Ideal for general industrial use, restaurants, hotels, hospitals and indoor signage application.

◎ artisRIP 9.0 & artisJet Work Station

Specifically designed for artisJet's UV direct to print systems, artisRIP and artisJet Work Station offer a simple and user friendly intuitive interface.

ArtisRip main features are:

Layout platform
Layout editing platform, resize, mirror, text, color adjustment, color gamut check..
Raster and vector images support
Built in customizable print templates for pens, phone covers, lighters, cosmetics, etc...
Previewing and smart nesting

Print Engine
Print both White and CMYK printing
Support multiple tasks on queue for quantity prints
Support API on demands
Supporting to print directly from third party software like Microsoft Office Suite, PhotoShop, Corel Draw, Adobe PDF, Adobe Illustrator etc.
Support for jpg, tif, bmp, png, PS, Ai and pdf image files
Vivid color reproduction and simultaneous printing to multiple print devices
Color management engine base with ICC profiles support
Individual ink channel adjustment
Automatic white ink trapping
Feathering rendering mode (elliminates banding, enhances color transitions)

🔧 Core technology highlight

Flash On Ink Firing System
Intelligently powered by ArtisPrinters FOIF system, the artis 5000U printer electronically activates the UV LEDs when firing ink only. As a result the life time of the printhead and the UV LEDs is maximized. FOIF also protects the entire ink system.

Cartridges Continuous Ink Supply System
This system allows for 100% utilization of available ink. Refillable ink systems for economical printing.

Control On Demand System
Designed for an enhanced flexibility and simplicity, artisJet COD digitally controls the operation of the LED UV system. It automatically adapts to different materials and working environments. COD controls the UV Curing mode(Bi-directional, Uni-directional). This will result in delivering an optimal printing quality and drying time.

Safe Water Cooling Control System
Designed for operational extra safety and simplicity, artisJet's SWCC system is built on a digital industrial chilling system. It recycles 300ml of an industrial cooling liquid. The liquid level is visible and refillable on demand to avoid the wearout of the UV LEDs.

Self-automated printing height adjustment
Equiped with sensors to automatically adjust head height and reduce the print head strikes.

Gradient ECO UV LED Technology
Equipped with artisJet new UVGC2 UV LED clutter suppression Processor technology. The UV LED light wave varies from 365-395 and deliver the best print color durability by drying the prints in different layers.

Auto Cleaning Module
Extends the printer head life by running scheduled ink system cleaning and maintenance when the printer is idle for a period of time.

New Wave Pass Control Technology
Empowered by the wave print technology, the gradient feathering print functionality of artis 5000 U ensures the sharpness of the print output.

HI-SPEED CERTIFIED USB · Windows · artisrip professional RIP software · artisink Sharp and Vivid Performance · CE · FC · RoHS 2011/65/EU · EAC · REACH Compliant · HEAD CERTIFICATION · SGS

artisJet

DIRECT TO SUBSTRATE INNOVATION
Print on demand made simple

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