



brotherJet®

artis 5000 U

The NEW A2+ LED UV Production Printer

Print BIG and up to 71 by 51 cm

Boost your productivity, 2X speed

Optimal output durability by drying the prints in different layers using the all new ECO LED UV curing system.

Simplified maintenance due to the integrated core technology

Enjoy the color accuracy and color sharpness with the new wave pass control, ink dithering system

The white ink enables the printing on dark and transparent material.

Flash On Ink Firing System ⁽¹⁾

Continuous Ink Supply System ⁽²⁾

HIS system ⁽³⁾

Gradient ECO UV LED Technology ⁽⁴⁾



Reengineered to achieve the best results

Amazing 3D textured and raised printing

Aluminum working table which lasts longer

Reformulated DTS LED UV inks ⁽⁵⁾

Unique lateral loading platform design ⁽⁶⁾

Control On Demand System ⁽⁷⁾

Safe Water Cooling Control System ⁽⁸⁾

Automatic Printhead Height Adjustment ⁽⁹⁾

Green air purity system ⁽¹⁰⁾

Auto Cleaning Module ⁽¹¹⁾

New Wave Pass Control Technology ⁽¹²⁾



Applications



Decorations



Electronics' Cover



Custom Gifts



Posters



Giveaways



Industrial Labels



Wood Prints



Technical Specification

Printing specification

Print speed	5 minutes for Full 51 * 70CM @ 1440 * 1440 dpi
Printing technology	UV LED (Built in water cooling)
Ink	artisink DTS3 (C, M, Y, K, W), LC, LM, V available
Media	Applications: Glass, plastics, leather, rubber, wood, paper, aluminum, copper, porcelain, films, stainless steel
	Media Size: 530 * 810 mm
	Thickness: 100 mm
	Rotary Print: Optional
Printing	Printing modes: 4 pass, 6 pass, 8 pass
	Print Size: 510 * 710 mm
	Print Head: Epson DX7 Industrial

Printer specification

Connectivity	Nozzles	Variable dot size printing technology, starting from 1.5 pl and up to 21pl
	Ports	USB 2.0
	Operating systems	Windows
Dimensions	Depth x Width x Height	Printer 800x980x510 mm Shipping 880x1060x690 mm
Weight		Printer 220Kg, Shipping 270 Kg
Content of the box		artis 5000 U, USB cable, Power cable, User manual book, washing and ink - joiner tools, spare parts package
Environmental ranges		1 - 35 °
Power consumption and requirements		AC100V~240V±10%, 0.5kVA
Certification		CE certified
Warranty		One year limited warranty

ECO

Go green with brotherJet'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 Software



Specifically designed for brotherJet's UV direct to print systems, ARTISRIP offers 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 printing pens, phone covers, lighters, wood cases, etc...

Previewing and smart nesting

Print Engine

Vivid color reproduction

Simultaneous printing to multiple print devices

Simultaneous White and CMYK printing

Color then White print mode

White then color print mode

Support for jpg, tif, bmp, png, ai and pdf image files

Color management engine base with ICC profiles support

Individual ink channel adjustment

Automatic white ink trapping

Feathering rendering mode (eliminates banding, enhances color transitions)

Direct printing from common graphic software.(CorelDraw, Photoshop, Autocad...)



Core technology highlight

- Flash On Ink Firing System**
Intelligently powered by brotherJet's FOIF system, the artis 5000 U 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 including the ink pump, the wiper, the damper, and the cap tops.
- Continuous Ink Supply System**
Unlike ink cartridges, this system allows for 100% utilization of available ink.
- HIS System**
Ensuring that the ink is heated to an optimum level providing peak performance with our specially formulated inks.
- Gradient ECO UV LED Technology**
Equipped with brotherJet 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.
- Reformulated LED UV inks**
Advanced TiO2 in 80 nanos to keep the ink fluency including W color.
- Unique lateral loading platform design**
Unique design ensuring a better visibility of the output. Ideal for space constraints workplaces.
- Control On Demand System**
Designed for an enhanced flexibility and simplicity, brotherJet 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, brotherJet'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.
- Automatic Printhead Height Adjustment**
Equipped with sensors to automatically adjust head height and reduce the print head strikes.
- Green air purity system**
Reduces the smell and boasting with the air purification and the particle collection system.
- 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.

Printer artis 5000 U

Ink	DTS Direct to Substrate artisink
DTS3 - 1000-001	Cyan UV LED Ink DTS3, 1000ml
DTS3 - 1000-002	Magenta UV LED Ink DTS3, 1000ml
DTS3 - 1000-003	Yellow UV LED Ink DTS3, 1000ml
DTS3 - 1000-004	Black UV LED Ink DTS3, 1000ml
DTS3 - 1000-005	Light Cyan UV LED Ink DTS3, 1000ml
DTS3 - 1000-006	Light Magenta UV LED Ink DTS3, 1000ml
DTS3 - 1000-007	White UV LED Ink DTS3, 1000ml
DTS3 - 1000-008	Varnish UV LED Ink DTS3, 1000ml
DTS3 - 500-001	Cyan UV LED Ink DTS3, 500ml
DTS3 - 500-002	Magenta UV LED Ink DTS3, 500ml
DTS3 - 500-003	Yellow UV LED Ink DTS3, 500ml
DTS3 - 500-004	Black UV LED Ink DTS3, 500ml
DTS3 - 500-005	Light Cyan UV LED Ink DTS3, 500ml
DTS3 - 500-006	Light Magenta UV LED Ink DTS3, 500ml
DTS3 - 500-007	White UV LED Ink DTS3, 500ml
DTS3 - 500-008	Varnish UV LED Ink DTS3, 500ml
DTS3 - 200-001	Cyan UV LED Ink DTS3, 200ml
DTS3 - 200-002	Magenta UV LED Ink DTS3, 200ml
DTS3 - 200-003	Yellow UV LED Ink DTS3, 200ml
DTS3 - 200-004	Black UV LED Ink DTS3, 200ml
DTS3 - 200-005	Light Cyan UV LED Ink DTS3, 200ml
DTS3 - 200-006	Light Magenta UV LED Ink DTS3, 200ml
DTS3 - 200-007	White UV LED Ink DTS3, 200ml
DTS3 - 200-008	Varnish UV LED Ink DTS3, 200ml

Cleaning	BRCA-U-1000-001	Cleaning agent for LED UV inks, 1000ml
	BRCA-U-500-001	Cleaning agent for LED UV inks, 500ml
	BRCA-U-200-001	Cleaning agent for LED UV inks, 200ml

Software ArtisRIP 9.0

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