



ARTIS BR U1800, A3+ LED UV PRINTING SYSTEM

BUILT WITH PERFECTION IN MIND TO OFFER AN UNMATCHED PRINT QUALITY



White + CMYK Ink System



Up to 2880 * 1440 dpi



A3+, 280*600 mm



3D Embossed printing

Flexible control on demand system

Accommodates large substrates up to 170mm in height and 20kg in weight
Industrial design

Continuous ink supply system

Automatic printhead height adjustment

Auto reprint function

Eco-friendly LED UV ink

★ Reengineered to achieve the best results

Designed to offer an **unmatched print quality**

Print sharpness and color accuracy

Robustness and LED UV eco-friendly ink

Print directly on rigid substrates without pre-coating

You can print equally on transparent, light and dark substrates.

📄 Applications



Printing specification

Print speed	6 min for Full A3 size @ 1440x1440 dpi
Printing technology	UV LED
Ink	artis Ink DTS UV ink (C,M,Y,K,W,W,W,W), W=white
Media	Glass, plastics, boards, leather, rubber, special paper, aluminum, copper, wood, porcelain, films ...
Applications	
Media Size	A3+, 280 * 600 mm
Thickness	Up to 170 mm (up to 6.69 in)
Printing	
Printing modes	4 pass 6 pass 8 pass
Print Resolution	Up to 5760 * 1440 dpi
Print Head	On demand Epson DX5 piezo electric printhead. Made in Japan

Printer specification

Connectivity	Nozzles	Variable dot size printing technology, starting from 1.5 pl
	Ports	USB 2.0
	Operating systems	Windows 2000 / XP / WIN7/ Vista...
Dimensions	Depth x Width x Height	Printer 740 x 550 x 600 mm (29.13 x 21.65 x 23.62 in), Shipping 880 x 990 x 730 mm (34.64 x 38.97 x 28.74 in)
Weight		Printer 110Kg, Shipping 130 Kg
Content of the box		artis BR U1800 printer, USB cable, Power cable, User manual, Ink system related tools.
Environmental ranges		10 - 35 °
Power consumption and requirements		75W, Input voltage (auto ranging) 110V/220V 50 - 60 HZ
Certification		CE certified
Warranty		One year limited warranty

Printer

artis BR U1800

Ink

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

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

BRCA-U-1000-001	Fixing agent	Fixing agent A/B liquids for UV LED inks, 1000ml
BRCA-U-1000-001		Fixing agent A/B liquids for UV LED inks, 500ml
BRCA-U-1000-001		Fixing agent A/B liquids for UV LED inks, 200ml

Software
artisRIP Software

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 Software**

Specifically designed for artisJet'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 artisJet's FOIF system, the artis BR U1800 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.

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.

Automatic Printhead Height Adjustment
Equipped with sensors to automatically adjust head height and reduce print head strikes

Continuous Ink Supply System
Unlike ink cartridges, this system allows for 100% utilization of available ink.

