



### 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

Eco-friendly LED UV ink

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

Remote control panel

### ★ 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



Acrylic Prints



Custom Phone Cases



Trophies



Custom Gifts



Wood Printing

## Printing specification

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

## Printer specification

<b>Connectivity</b>	<b>Nozzles</b>	Variable dot size printing technology, starting from 1.5 pl
	<b>Ports</b>	USB 2.0
	<b>Operating systems</b>	Windows 2000 / XP / WIN7/ Vista...
<b>Dimensions</b>	<b>Depth x Width x Height</b>	Printer 900 x 800 x 700 mm (35.4 x 31.5 x 27.6 in). Shipping 1090 x 920 x 800 mm (42.9 x 36.2 x 31.5 in)
<b>Weight</b>		Printer 90Kg, Shipping 150 Kg
<b>Content of the box</b>		artis BR U1800 printer, USB cable, Power cable, User manual, Ink system related tools.
<b>Environmental ranges</b>		10 - 35 °
<b>Power consumption and requirements</b>		75W, Input voltage (auto ranging) 110V/220V 50 - 60 HZ
<b>Certification</b>		CE certified
<b>Warranty</b>		One year limited warranty

## Printer

## artis BR U1800

### Ink

DTS3 - 1000-001  
DTS3 - 1000-002  
DTS3 - 1000-003  
DTS3 - 1000-004  
DTS3 - 1000-005  
DTS3 - 1000-006  
DTS3 - 1000-007  
DTS3 - 1000-008

DTS3 - 500-001  
DTS3 - 500-002  
DTS3 - 500-003  
DTS3 - 500-004  
DTS3 - 500-005  
DTS3 - 500-006  
DTS3 - 500-007  
DTS3 - 500-008

DTS3 - 200-001  
DTS3 - 200-002  
DTS3 - 200-003  
DTS3 - 200-004  
DTS3 - 200-005  
DTS3 - 200-006  
DTS3 - 200-007  
DTS3 - 200-008

### DTS Direct to Substrate artisink

Cyan UV LED Ink DTS3, 1000ml  
Magenta UV LED Ink DTS3, 1000ml  
Yellow UV LED Ink DTS3, 1000ml  
Black UV LED Ink DTS3, 1000ml  
Light Cyan UV LED Ink DTS3, 1000ml  
Light Magenta UV LED Ink DTS3, 1000ml  
White UV LED Ink DTS3, 1000ml  
Varnish UV LED Ink DTS3, 1000ml

Cyan UV LED Ink DTS3, 500ml  
Magenta UV LED Ink DTS3, 500ml  
Yellow UV LED Ink DTS3, 500ml  
Black UV LED Ink DTS3, 500ml  
Light Cyan UV LED Ink DTS3, 500ml  
Light Magenta UV LED Ink DTS3, 500ml  
White UV LED Ink DTS3, 500ml  
Varnish UV LED Ink DTS3, 500ml

Cyan UV LED Ink DTS3, 200ml  
Magenta UV LED Ink DTS3, 200ml  
Yellow UV LED Ink DTS3, 200ml  
Black UV LED Ink DTS3, 200ml  
Light Cyan UV LED Ink DTS3, 200ml  
Light Magenta UV LED Ink DTS3, 200ml  
White UV LED Ink DTS3, 200ml  
Varnish UV LED Ink DTS3, 200ml

### Cleaning agent

BRCA-U-1000-001  
BRCA-U-500-001  
BRCA-U-200-001

Cleaning agent for LED UV inks, 1000 ml  
Cleaning agent for LED UV inks, 500 ml  
Cleaning agent for LED UV inks, 200 ml

### Fixing agent

BRCA-U-1000-001  
BRCA-U-1000-001  
BRCA-U-1000-001

Fixing agent A/B liquids for UV LED inks, 1000ml  
Fixing agent A/B liquids for UV LED inks, 500ml  
Fixing agent A/B liquids for UV LED inks, 200ml

### Software

artisRIP Lite software



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 Lite 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.

### Remote Control Panel

The RCP is a software module allowing the remote administration of the printer from your desktop computer

