

# INSERT NORD

## ARTIS 5000U B2 LED UV-PRINTER

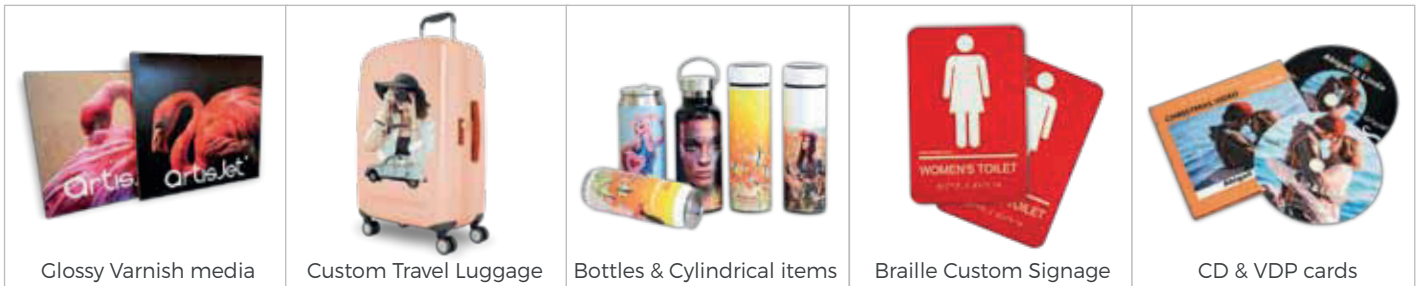


### artis 5000U, B2 LED UV HIGH PRODUCTION PLATFORM

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
-  B2, 50\*70 cm (19.68\*27.56 in)
-  3D Embossed printing
-  Custom Rotary printing
-  ADA Braille printing
-  Advanced Varnish printing
-  Variable Data Print

### Applications



### Upscaled Features

Print bigger, up to 25 cm height & 2X faster

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

**Braille Printing Program** for ADA Compliant signs

Fast conversion from **flat printing** to **cylindrical printing** with ROT 360 degrees rotary technology

**Variable Data Printing** support

**Direct printing** on dark and transparent materials

Optimal for printing on both **rigid and flexible substrates**

Ideal for printing signage, packaging, decoration (wood print, ceramics, glass, plastics, aluminum...), bottle & cylindrical printing, posters, promotional items, custom travel items & luggage, candle printing to more.

**ACS Automatic Comand System** on demand

Automatic multiple copies print from **Printing Task Queue**

One button **Full Automatic Height** measurement

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

**Automatic error checking** on boot with error reporting

**Unique lateral loading** architecture & simplified operation and maintenance

**Built in** liquid cooling control system

**Y axis servo motor** for increased printing quality

**Printer customization service** on demand



**25 CM HEIGHT UPGRADE & VERSATILE ON DEMAND CUSTOMIZATION**



## Technical Specification

## Ordering Information

### Printing specification

<b>Print speed</b>	5 minutes for Full 50 * 70CM @ 720*720 DPI for 4 pass bidirection print mode
<b>Printing technology</b>	UV LED (Built in water cooling)
<b>Ink</b>	artisInk DTSAT3 cartridges (CMYK+WWWW / CMYK+WW+V V)
<b>Media Applications</b>	Signage, packaging, indoor decorations, luggage, promotional items, bottle & cylindrical printing etc.
<b>Media Size</b>	530 x 820 mm (20.86 x 32.28 in)
<b>Height</b>	Full Automatic and up to 25 cm (9.84 in)
<b>Rotary Print</b>	On Demand artisJet ROT 360 degrees device
<b>Printing Printing Size</b>	500 x 700 mm (19.68 x 27.56 in)
<b>Printing modes</b>	4 pass 8 pass 16 pass
<b>Print Resolution</b>	Up to 720 x 2880 dpi
<b>Print Head</b>	Epson DX7 piezo electric printhead. Made in Japan

### Printer specification

<b>Connectivity</b>	<b>Nozzles</b>	Variable dot size printing technology, starting from 3 pl and up to 10 pl
	<b>Ports</b>	USB 2.0
	<b>Operating systems</b>	Windows
<b>Dimensions</b>	<b>Depth x Width x Height</b>	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)
<b>Weight</b>		Printer 190 Kg, Shipping 225 Kg
<b>Content of the box</b>		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
<b>Environmental ranges</b>		10 - 35 °
<b>Power consumption and requirements</b>		AC100V~240V±10% 0.5kVA
<b>Certification</b>		CE / FCC / RoHS / REACH / HC certified
<b>Warranty</b>		Two years warranty

### Printer

artis 5000U B2 LED UV

### Goods No.

AJ-5000U

### Ink Cartridges

DTS Direct to Substrate artisInk

DTSAT3 - 200-001	Cyan UV LED Ink DTSAT3, 200ml
DTSAT3 - 200-002	Magenta UV LED Ink DTSAT3, 200ml
DTSAT3 - 200-003	Yellow UV LED Ink DTSAT3, 200ml
DTSAT3 - 200-004	Black UV LED Ink DTSAT3, 200ml
DTSAT3 - 200-005	White UV LED Ink DTSAT3, 200ml
DTSAT3 - 200-006	Varnish UV LED Ink DTSAT3, 200ml

### Cleaning agent

AJCA-U-200-001 Cleaning agent for LED UV inks, 200 ml

### Fixing agent

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

### ECO

Go green with artisJet's DTSAT3 UV inks. Print toxin free and virtually odorless. DTSAT3 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

## Core technology highlight

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 (eliminates banding, enhances color transitions)

### 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

Equipped with sensors to automatically adjust head height and reduce the print head strikes.

### Gradient ECO UV LED Technology

Equipped with artisJet new UVCC2 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.

