INSERT NORD

ARTISJET-YOUNG A4 LED UV-PRINTER

artisJet Young,
THE SIGNATURE 2.5D - 3D PRINTER

**REDEFINED A4 LED UV DESKTOP PRINTER
EASY, SIMPLE YET PROFESSIONAL**

- CMYK+WWWW / CMYK+WW Ink System
- A4, 21*30 cm (8.27*11.81")
- Up to 720 *2880 dpi
- 2.5D - 3D Embossed printing
- Instant ink drying within miliseconds
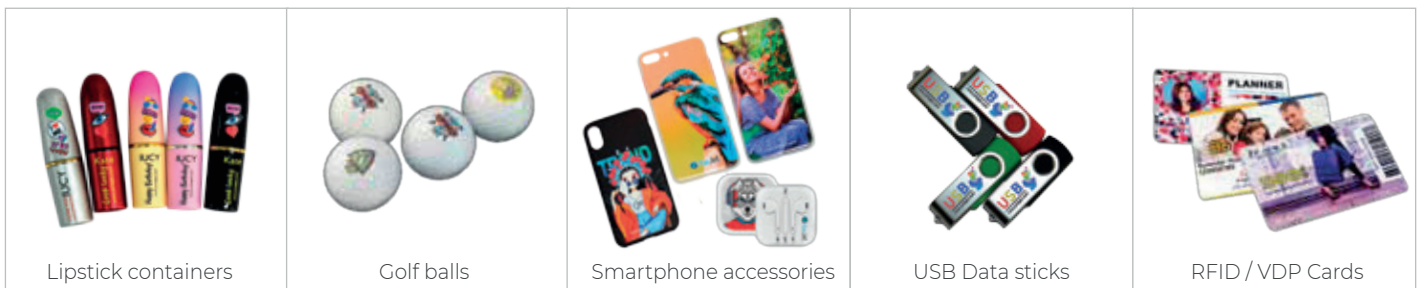- ADA Braille printing
- 100% Air Purification
- Portable printer

Applications

| Lipstick containers | Golf balls | Smartphone accessories | USB Data sticks | RFID / VDP Cards |

Balancing technology and creativity for first-rate prints

Versatile SMART & COMPACT flatbed model with high precision and printing accuracy, covering all materials: wood, leather, plastic, acrylic, stainless steel, glass etc.

Accommodates a variety of applications from product decoration & brand promotional products to specialty graphics: cosmetics, golf balls, luggage travel tags, cards, smartphone & mobile accessories, small boxes...

Smooth and sharp color quality, photorealistic images, with variety of printing effects, including Braille tactile printing and 2.5D - 3D raised effect

STRONG hardware & app software duo for smart, simple printing workflow and user-friendly operation

Compatibility with various formats & picture sources

Template customization, picture preview and time statistics with **ACS Command System**

One click automated system for direct flatbed height adjustment

Highly ECONOMICAL with CISS UV LED ink cartridges and extended life span printer head
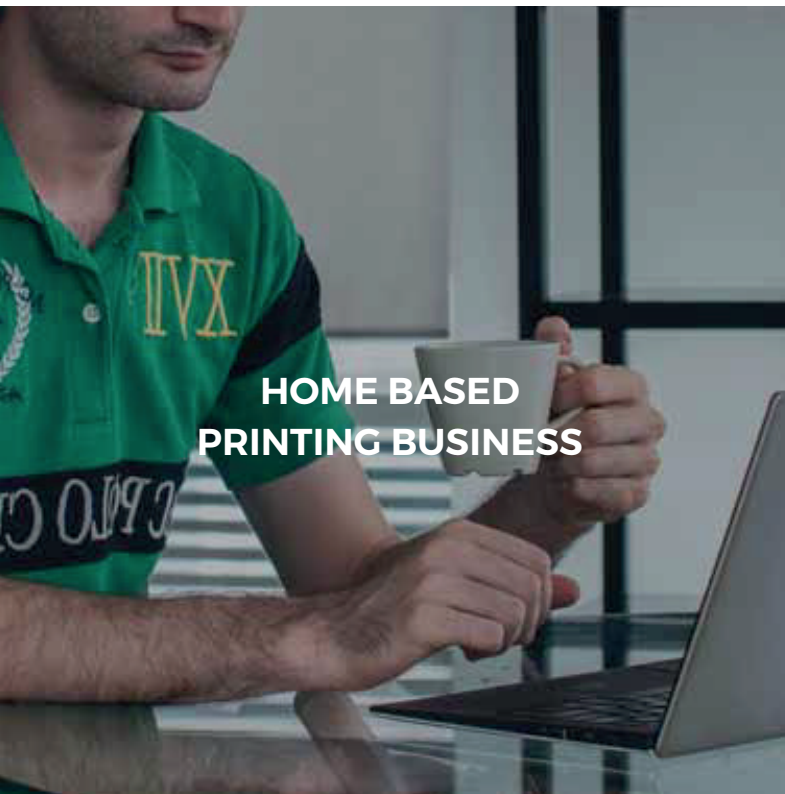
SAFE & GREEN system with fully enclosed cover protection, **STOP-IF-OPEN Sensors** & **professional Air Purification System**

Easy maintenance & support with specially designed control panel and **BUILT-IN ERROR CODING SYSTEM** with direct reading
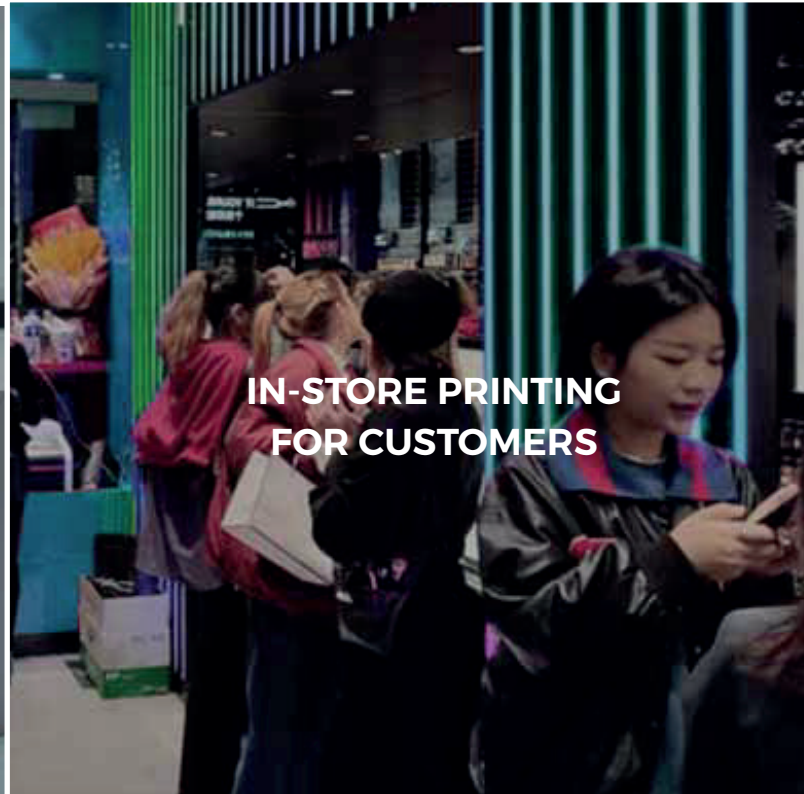
IMPROVED PRODUCTIVITY WITH ACS COMMAND FOR ENDLESS POSSIBILITIES

INSERT NORD ⬭

**HOME BASED
PRINTING BUSINESS**

**IN-STORE PRINTING
FOR CUSTOMERS**

BUSINESS SCENARIOS & IDEAS

**SHOPPING MALL
GIFT KIOSKS**

**ONLINE PERSONALIZATION
BUSINESS**

Technical Specification

Printing specification

Media		
	Printing Size	A4, 210 x 300 mm (8.27 x 11.81 in)
	Height	Up to 50 mm (1.97"); customization available
	Materials	All materials available (wood, MDF, plastic, acrylic, glass, leather, aluminum, stainless steel etc.)
	Applicable products	Cosmetics, name badges, luggage tags, sunglasses, e-cigarettes, smartphone accessories
Printing technology		UV LED
Ink		artisink DTSAT3 (CMYK+WWWW / CMYK+WW)
Print speed	Unidirection	21*30 cm full size at 2880*1440 photo quality print: Color+White = 400 seconds Color = 260 seconds White = 260 seconds
	Direction speed	60% of the timing needed for the above
Printing	Printing modes	4 pass 8 pass 16 pass
	Print Resolution	Up to 720 x 2880 dpi
	Print Head	Epson DX7 piezo electric printhead. Made in Japan

Printer specification

Connectivity	Nozzles	8 Chambers 180*8 nozzles
	Ports	USB
	Operating systems	Windows
Dimensions	Depth x Width x Height	Printer 830 x 770 x 470 mm (32.68 x 30.31 x 18.11 in),
Weight		Printer 80 Kg
Flatbed transmission		Servodriven with magnetic strip and square orbit
Content of the box		artisJet Young A4 LED UV printer, USB cable, Power cable, User manual book, Driver CD, Ink Chips, spare parts package, 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 / HC certified
Warranty		2 years warranty

Ordering Information

Printer	artisJet Young A4 LED UV
Goods No.	AJ-Young1
Ink Cartridges	DTS Direct to Substrate artisInk
DTSAT3 - 130-001	Cyan UV LED Ink DTSAT3, 130ml
DTSAT3 - 130-002	Magenta UV LED Ink DTSAT3, 130ml
DTSAT3 - 130-003	Yellow UV LED Ink DTSAT3, 130ml
DTSAT3 - 130-004	Black UV LED Ink DTSAT3, 130ml
DTSAT3 - 130-005	White UV LED Ink DTSAT3, 130ml

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.

artisJet WorkStation & artisRIP 9.0

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

artisJet WorkStation main features:
Digital smart print workstation in one click with easy integration;
Unique Braille convex dot stacking algorithm to print Braille quickly and easy;
Directly convert the ordinary plane printing effect into embossed effect with 3D option;
Effective ACS command system for mass production;
Improved productivity efficiency through AI data recovery integration, multiple tasks printing and pending printing jobs accessibility;
Store print files with easy transfer or back-up of the print tasks to any location;
API interface mode to achieve more printing possibilities (HOT FOLDER);
Third party software compatibility and tasks output directly via virtual printer;
Ink system cleaning, nozzle check and maintenance directly from Workstation with progress status monitoring;
Custom flexible adjustment of ink colors and nozzle sequence, improving nozzle life;
One-on-one image and sample matching due to preset configurations and automated artwork position display according to product position;
Greatly reduce time management (job print time estimation and print job preview).

artisRIP main features:
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.

Core technology highlight

1 Ink System Optimization
Automatic ink flow, ink cleaning and maintenance;
Accurate ink level indicator;
Automatic flash spray of nozzle check on demand;
Strong substainability for being idle.

2 Advanced LED UV Curing Tech
Durable UV curing system based on 365;
Flexible power adjustment on demand;
Focusing lens to maximize the light power;
Flexible curing direction on demand;
Silent working process and extended life span.

3 Printing Accuracy and Eco
Digital magnetic grid coding system;
Self-automatic height measurement;
Built-Air purification system;
Maintenance kit with all electronics in one drawer.

4 Production Efficiency
Intelligent production efficiency workflow;
Accurate print job preview and time estimation;
Supporting virtual printing;
Print Braille/ADA signs at one click;
ACS printing system;
API and hot folder integration on demand.

5 Safety and Control
Ink drop shooting power adjustment;
Engineer mode for authorized operation;
Smart ink channel swift among all colors, extending the head life;
Job pauses once lid opens (Stop-if-Open sensors)