artisJet
an innovative brand in smart sizes UV printers

artis 5000U

B2 LED UV PRINTER

UPGRADE YOUR BUSINESS WITH HIGH PRODUCTION PLATFORM

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Part

01

PRINTER OVERVIEW

UPSCALED FEATURES

1. Upgraded platform to **PRINT BIG & UP TO 25 CM HEIGHT**, with **Full Automatic Height Measurement** in one button
2. **ADA Compliant Braille dots** printing program to empower tactile communication with Braille signage
3. **Spot LED UV Varnish printing** availability for matte, glossy and diamond-like print finishes
4. **Fast conversion** from flat printing to cylindrical printing with **ROT 360 degrees technology on demand**
5. Ideal for increased direct printing production on signage applications, packaging, bottles and cylindrical applications etc.
6. Direct printing on both rigid and flexible substrates materials with textured and 3D embossed large format photo realistic printing
7. Optimal cost saving with the introduction of **Cartridges Continuous Ink Supply System**
8. **ACS Automatic Command System** on demand, with availability of automatic multiple copies print from **Printing Task Queue**

CMYK + WWWW / CMYK + WW +VVInk System

B2 (50 * 70 cm) (19.68 * 27.56”)

3D Embossed Printing

Up to 720 * 2880 dpi

Custom Rotary Printing

ADA Braille Printing

Advanced Varnish Printing

Variable Data Print

KEY SPECIFICATIONS

PRODUCT SKU:	AJ-5000U
OFFICIAL LAUNCHING:	May 2019
PRINTER SIZE:	106 * 98 * 73 CM (D*W*H)
PRINTER WEIGHT:	190 kg
PRINT METHOD:	Direct to substrate
INK TYPE:	DTSAT3 UV LED ink cartridges
INK CHANNELS:	CMYK + WWWW or CMYK + WW + VV
SOFTWARE:	artisRIP 9.0 & artisJet Work Station

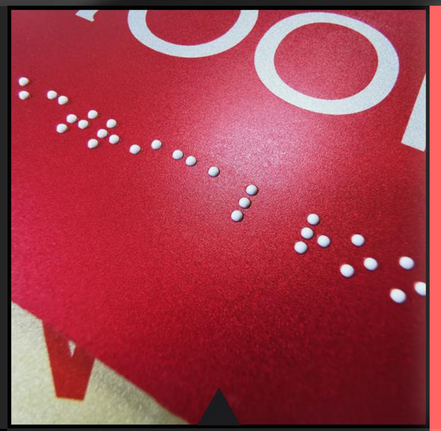
CE FC RoHS 2011/65/EU EAC REACH Compliant HEAD CERTIFICATION

PRINTER DIMENSIONS

BIGGER HIGHER FASTER VERSATILE GUARANTEED

AMAZING PRINT RESULTS

360 degrees Rotary Printing



Varnish clear glossy printing

3D embossed tactile photo printing

ADA Braille Signage

MAIN SCENARIOS

COMPANY PROFILES – production houses, interior design companies, factories, signage production, etc.

BACK-HOUSE PRODUCTION – for experienced users who want to increase the production efficiency & upgrade business

EVENTS & MARKETING – ideal for patch production purpose meeting visitors / users' requirements

TRAVEL LUGGAGE PRINTING

Different brands luggage supplies
Up to 25 cm max printing height
Wide flatbed as big as 50*70 cm
Various luggage sizes: 16", 20", 22", 24"
Water & UV sunshine proof prints

CUSTOM CYLINDRICAL ITEMS

Direct print images, logos, texts, etc.
High color adhesion on any bottle
All substrates & colors compatibility
Full 360 seamlessly jointed print designs
Up to 22.5 cm cylinder diameter

BRAILLE CUSTOM SIGNAGE

Braille printing in one pass
Up to ADA / CA24 Standards
Domed & rounded ink drop shape
0.1 to 10 mm inkjet height
Strong colors & anti-scratch durability

VARNISH DÉCOR FRAMES

Flexible varnish: gloss / matte print effect
High precision Spot UV LED varnish
Excellent protective print quality
Raised touchable effect
Water resistant and easy to clean prints

Part

02

MAIN TECHNOLOGY

BUILT-IN UV LED PRINT SYSTEM

artis 5000U UV LED direct printing system is the most **COMPACT & VERSATILE B2 size UV LED printer**, ideal for path production of signage, indoor decoration, awards printing, industrial labels print, Braille signs, lenticular board print, PCB legend print, phone cases, cards, pens to more.

Whether you are new to digital printing or an experienced operator, the **built-in UV LED Print System** ensures a safe operation: artis 5000U is equipped with two FOCUSED lens to centralize the power shooting on the print with more accurate positioning. The benefits?

- Maximizes the drying power of the UV Lamp;
- Creates the best ink durability;
- Protects & expands the print head's life

BUILT-IN UV LIQUID COOLING SYSTEM

Designed for safety and simplicity, **artisJet Safe Water Cooling Control System** uses a digital built-in liquid chilling system, which contributes in lowering the running cost.

With 200 ml of industrial cooling liquid recycling system, the **SWCC** liquid lasts for 6 months until a refill is needed.

The chilling liquid level is visible and refillable on demand to avoid the burn out of the UV LEDs due to the lack of liquid in the chilling recycling system.

REFILLABLE CISS INK CARTRIDGES

- The DTSAT3 UV LED ink is applied to direct print onto various solid materials; ink cartridges volume support 200 ml
- DTSAT3 ink delivers high color density print finishes, perfectly adhering to a broad array of coated and uncoated substrates
- The UV LED ink is improved by enabling the usage of thinner and heat-sensitive substrates, without any damage
- The artisJet re-known FOIF technology and instant UV LED curing lowers the operating costs and maximizes the longevity of the print head

REACH Compliant

ECO

RoHS 2011/65/EU

HOLIDAY MODULE

artis 5000U takes the lead in HOLIDAY MODULE of self-automatic ink system maintenance model. It allows the users to set the maintenance timing as follows: 5, 10, 15, 20, 25, 30, 35, and 40 hours / time.

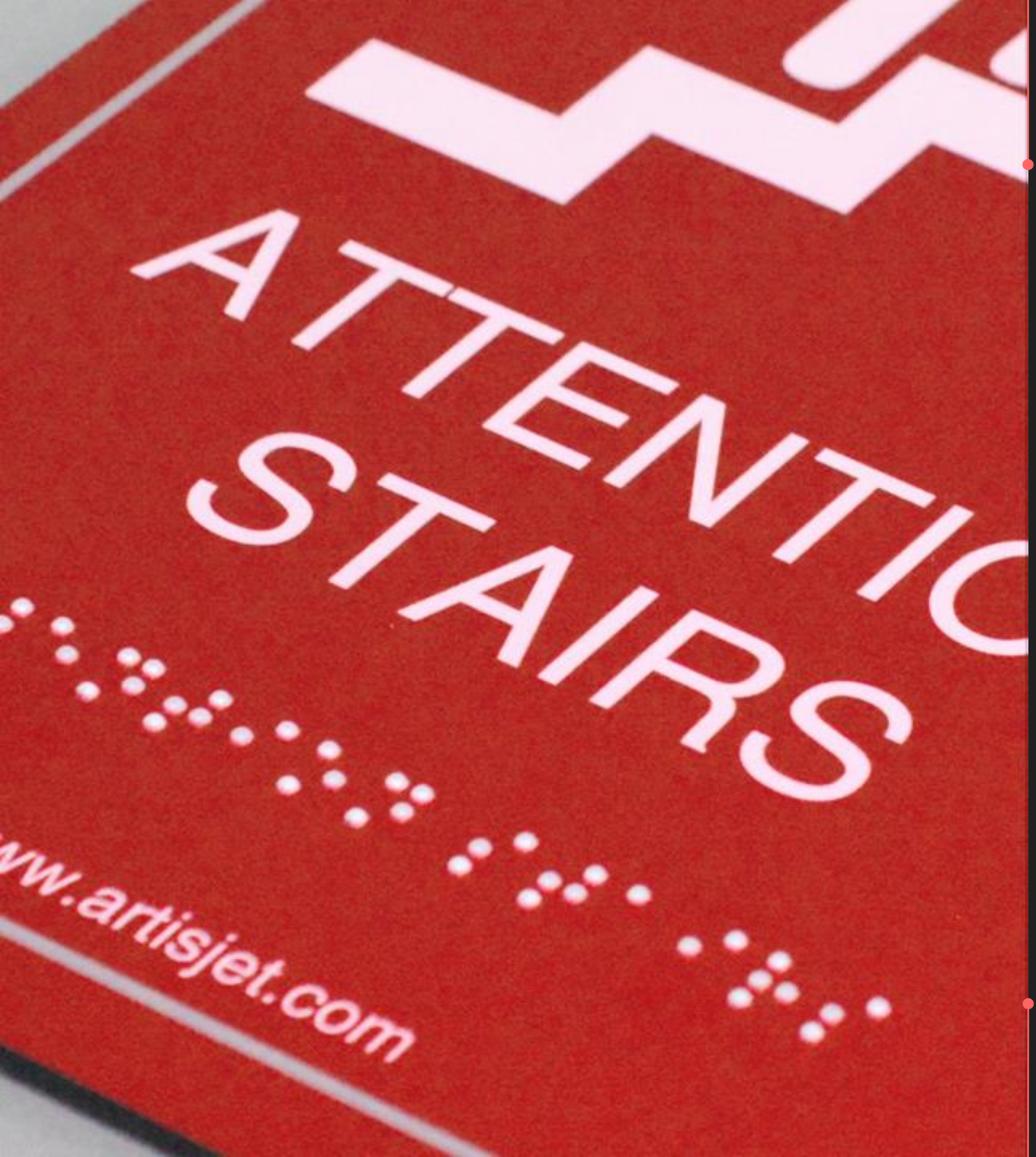
The benefits of Holiday Module include:

- saving the manual ink system maintenance for users;
- extending the ink system life, especially the print head;
- ready to proceed the printing production after the holiday.

Part

03

NEW TECHNOLOGIES



FASTER BRAILLE PRINTING IN ONE PASS

Take one more step into the creative printing with **Braille printing technology** from artisJet and amaze your customers by high standard custom Braille signs.
From artwork editing to an easy-to-follow printing process, the new Braille technology with artis 5000U ensures **ADA/CA22 compliant signs** for smooth dome shape dots.

- Fast production speed: 9 minutes / A4 size;
- High standard ADA at 0.8 cm / 0.3”;
- Dot base diameter 1.5 mm (0.059”) to 1.6 mm (0.063”);
- Dot height 0.7 mm;
- Wear-resistant, perfect rounded dome, tactile smooth;
- Easy to operate one pass printing.

ADVANCED VARNISH GLOSS PRINTING

The new technology ensures flexible varnish printing options with high standard shinning colors and delivering a diamond printing result on demand.

Equipped with artisJet's improved technology, **Spot Fine Control System**, specialized UV Curing firmware & hardware, artis 5000U enables the users to realize the partial print of the image on demand with clear varnish ink.

- Faster and more flexible color output
- Create more stunning products with clear ink
- High quality print for more valuable products
- Varnish density – custom 30 – 50 %
- Uni-directional print speed

ROTARY BOTTLE PRINTING

The **FAST CONVERSION** from flatbed printing to cylindrical printing makes artis 5000U printer a multifunctional creative resource for large format and rotary capabilities. You get one printer with two different customization needs, and a **SPACE SAVING** solution. How? With **ROT 360 degrees rotary device**.

- 22.5 cm (8.85”) max bottle diameter
- Effective printing on a wide range of materials & products
- Accurate & vivid prints with ROT 360 attachment
- Empowered by artisRIP V9.0 Software and artisJet Craftsman
- Full 360 degrees spin & seamlessly jointed prints on cylinders
- Full size artwork printing and perfectly blended prints
- User-friendly operation and Eco-Green (lowest power consumption to 30W)

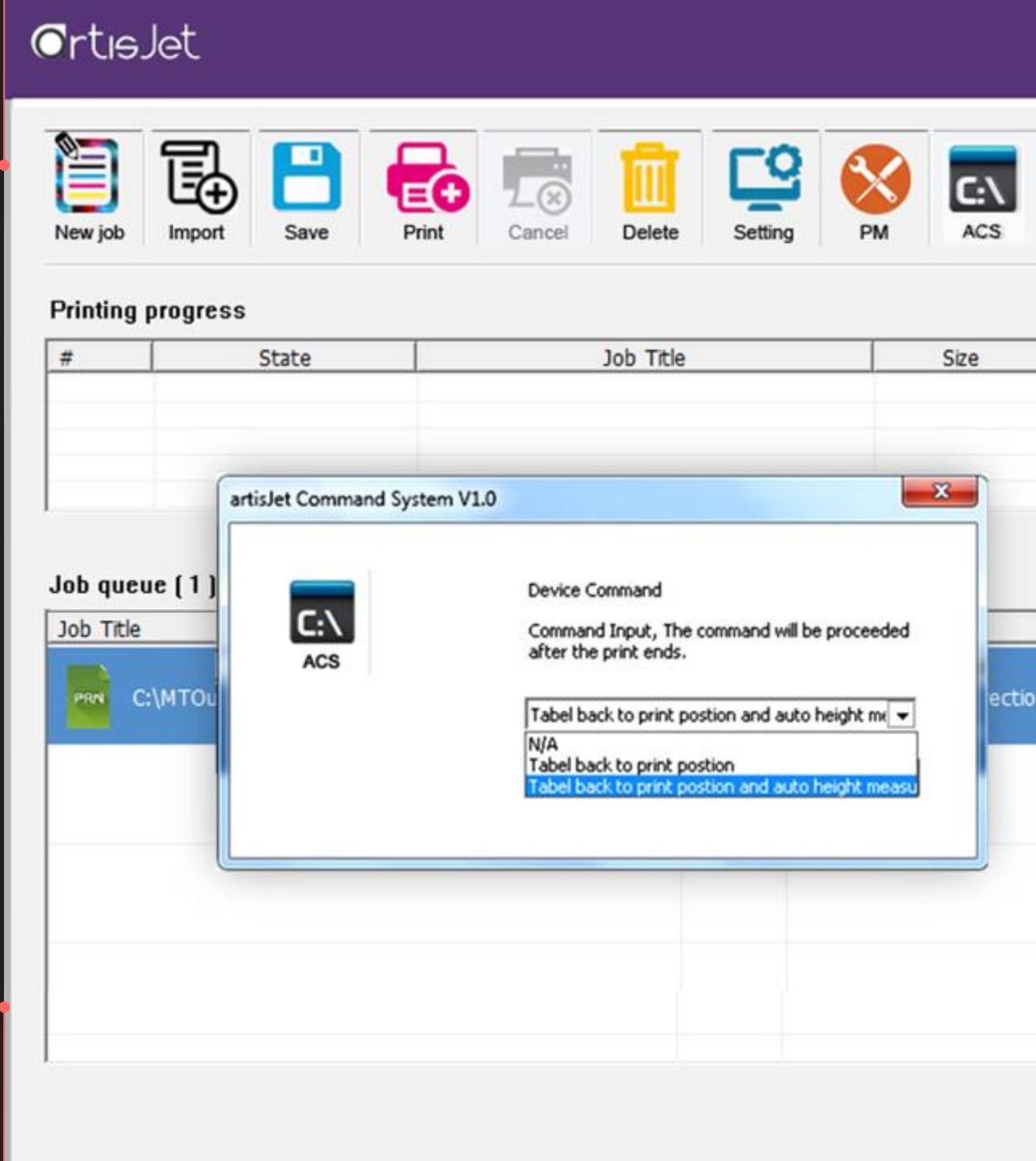
ACS ARTISJET COMMAND SYSTEM

The **ACS Comments Insert Program** is a labor cost saving and easy-to-use command system directly from **artisJet Work Station**, speeding up the printing & avoiding unnecessary manual operations.

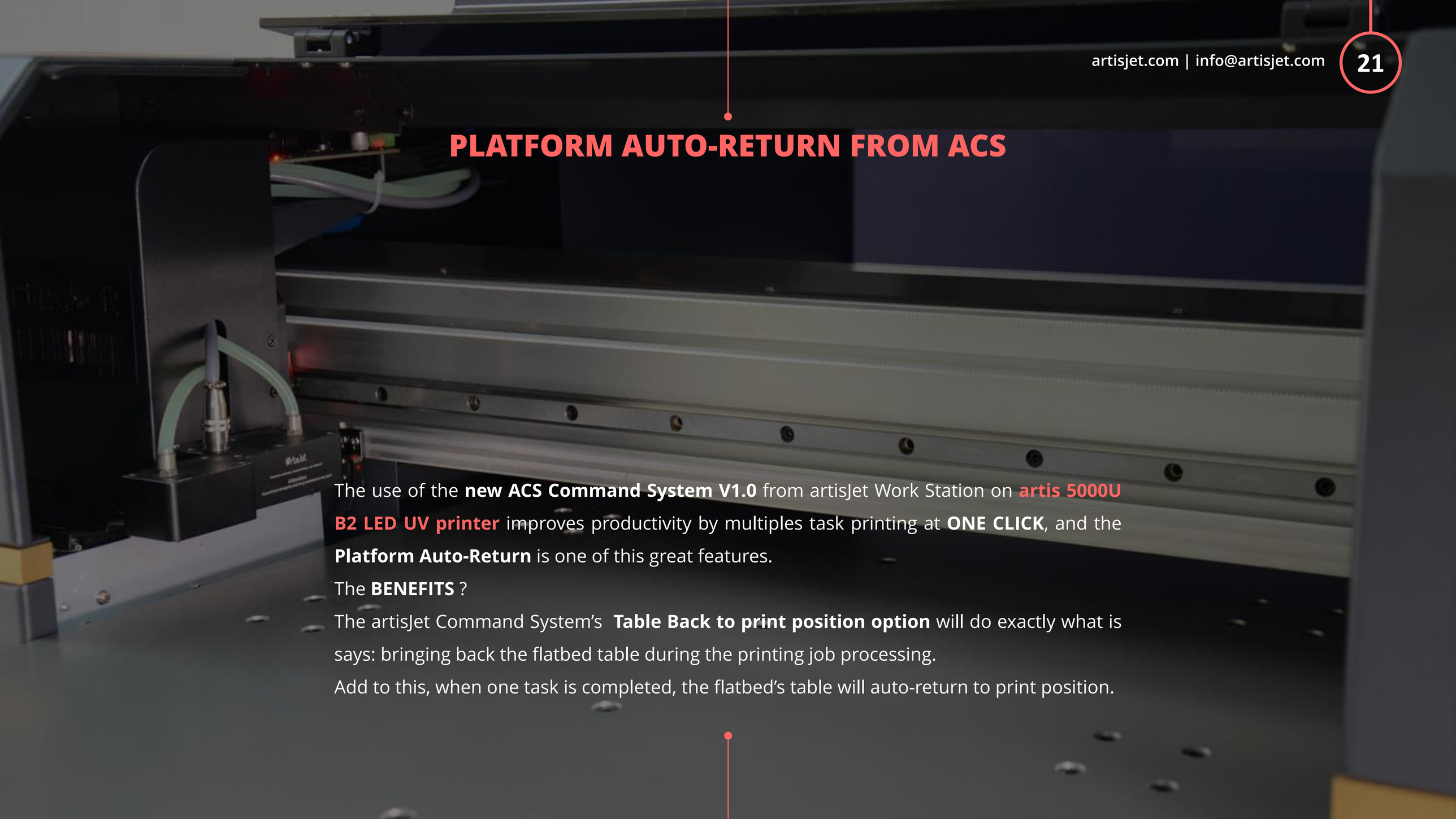
It's great for tasks that are under processing mode (at least 1%), allowing to comment on multiple printing production tasks (**Printing Tasks Queue**) & enhancing the production speed with teamwork.

There are 2 options which increase the production speed:

- **Table back to print position option** – allows printing a second (multiple) copy of the same printing job, if needed;
- **Table back to print position and auto-height measurement option** – the printer automatically detects the printing height and auto-adjusts its flatbed accordingly.



PLATFORM AUTO-RETURN FROM ACS

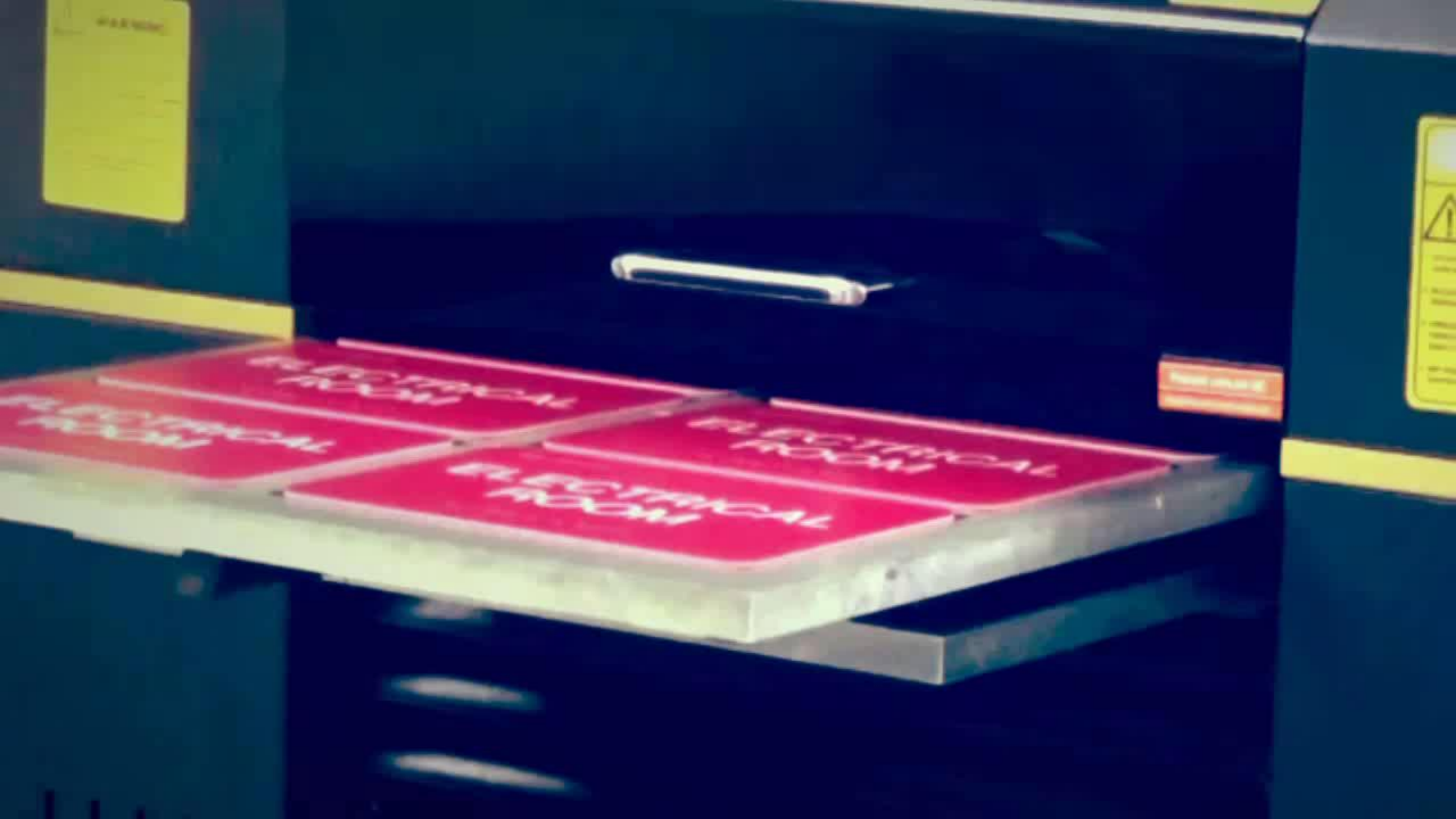


The use of the **new ACS Command System V1.0** from artisJet Work Station on **artis 5000U B2 LED UV printer** improves productivity by multiples task printing at **ONE CLICK**, and the **Platform Auto-Return** is one of this great features.

The **BENEFITS** ?

The artisJet Command System's **Table Back to print position option** will do exactly what is says: bringing back the flatbed table during the printing job processing.

Add to this, when one task is completed, the flatbed's table will auto-return to print position.


ELECTRICAL ROOM
ELECTRICAL ROOM
ELECTRICAL ROOM
ELECTRICAL ROOM

AUTOMATIC HEIGHT ADJUSTMENT

The automated system for flatbed height adjustment accommodates different sized product **up to 25 cm (9.98 inches)**, but with the availability for **on demand print height customization**, according to the printing requirements.

The quick selection from **ACS Comment Insert Program** ensures that **artis 5000U printer** detects the printing material's height and positioning automatically at one click.
Auto-adjustment can be done during printing task processing by selecting the ***Table Back Print Position & Auto-Height Measure*** option.

Accurate measure of the material's height while the platform returns to its back position is a **TIME SAVING** solution – by **ONE CLICK**, the height and positioning adjustments will be located to the right and safe position.
In addition, it avoids the danger of crashing the printer's head, therefore saving the costs.

artisJet
PRINTER READY
SPI
Clean
Auto position
Cancel
Pause
Enter
Menu
Back

Part

04

EASY OPERATION

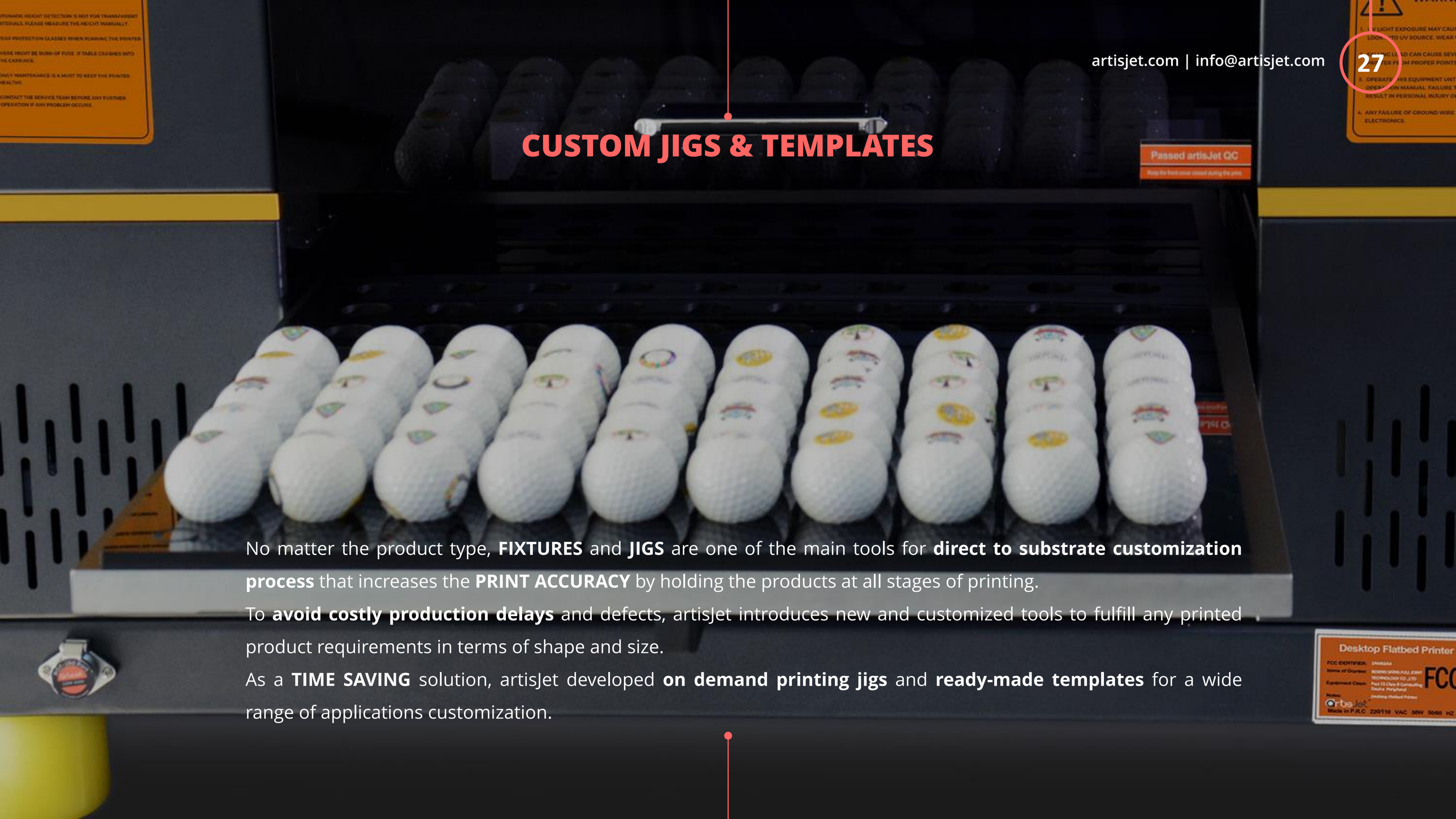
USER FRIENDLY CONTROL PANEL

Coding errors affect product quality and drive unacceptable costs throughout the process.

The **artis 5000U B2 LED UV printer** is equipped with **specially designed control panel** and **BUILT-IN ERROR CODING SYSTEM** with direct reading on the printer's screen, ensuring an **accurate printing process**.

It is developed to issue error codes that pinpoint accurately the cause of the malfunction, if any. With this feature, artisJet printers' troubleshooting becomes a fairly easy task.

CUSTOM JIGS & TEMPLATES



No matter the product type, **FIXTURES** and **JIGS** are one of the main tools for **direct to substrate customization process** that increases the **PRINT ACCURACY** by holding the products at all stages of printing.

To **avoid costly production delays** and defects, artisJet introduces new and customized tools to fulfill any printed product requirements in terms of shape and size.

As a **TIME SAVING** solution, artisJet developed **on demand printing jigs** and **ready-made templates** for a wide range of applications customization.

ArtisJet

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THANK YOU FOR YOUR ATTENTION!

Any Questions?

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