artisJet Proud

Dedicated Printer for Supersized On Demand Cards & CR80 Cards

2021

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Hardware highlights

Dedicated to Fit Your Needs

Supersized card printing & on demand customization

Print CR80 cards and up to 140 x 88 mm and BEYOND with on demand custom size.

Edge-to-edge printing

Automatic feeding system with bleeding area cleaning, no any break lines

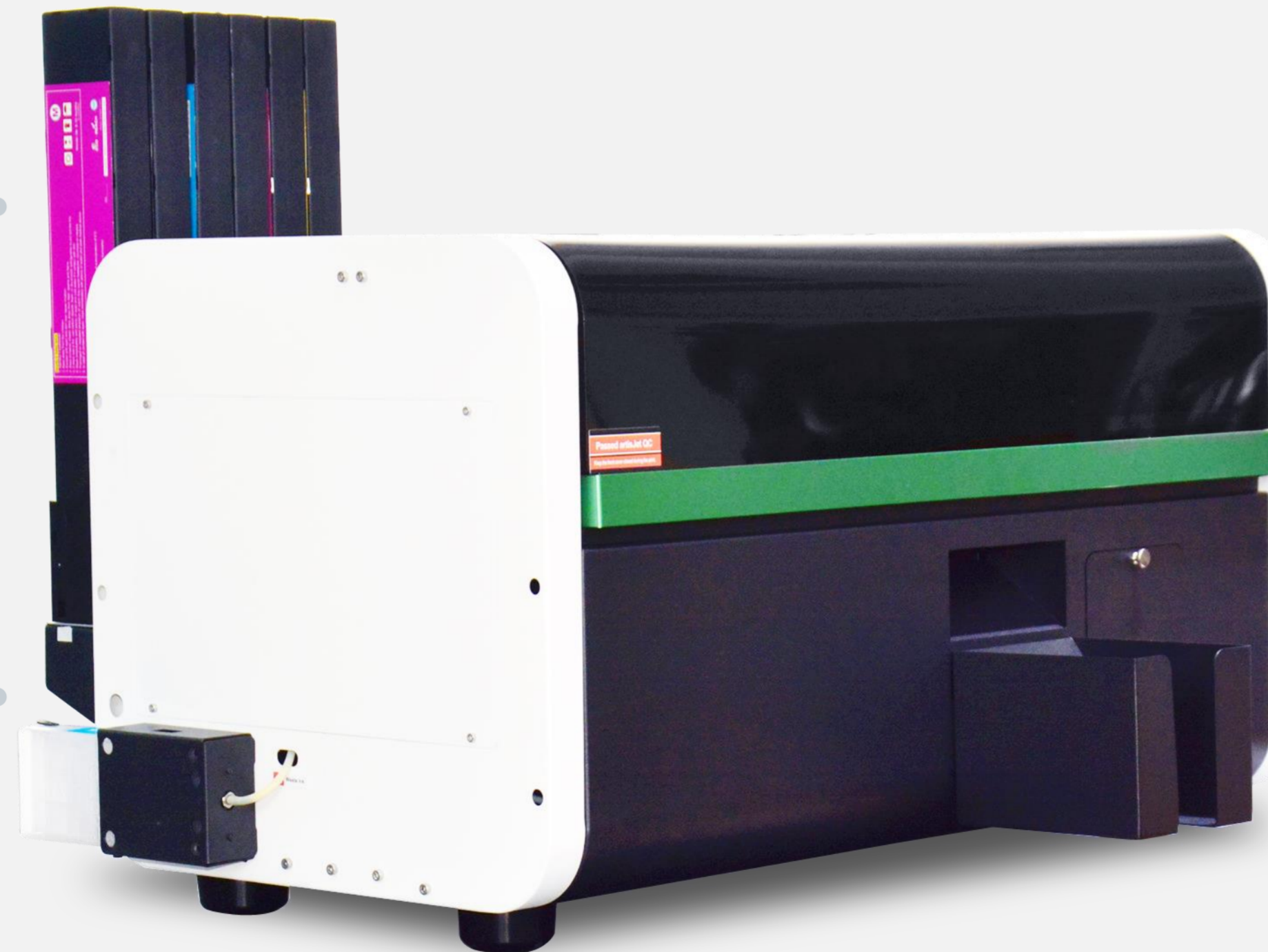### Strong color durability

Proven high color quality & lasting prints through cross-cut color durability tests

RFID & Coding integration

Automatic pairing system for accurate data combination from digital color printing to RFID data reading, writing, matching to card

VDP Card printing

Easily print changeable data (card holder name, card number, card profile image etc.)

Sharp color performances

Based on artisJet UV curing system and its patented micro-digital-print technology, the printer delivers great color with great sharpness.

Environment friendly and safe

Safe RoHS, REACH, CS65, RISC certified green ink system optimization

Professional APS

Perform customization in any environment, even with children attendance events, due to professional Air Purification System maintaining a clean air while operating.

Powerful yet smarter size and portable printer

Designed for any climate and environment, with a smart size fit for any occasion with easier mobility

Production efficiency

Low to zero printing cost in your daily production enabling you to print 8000+ pcs of CR80 cards with one set of inks

Software integration

Experience the excitement
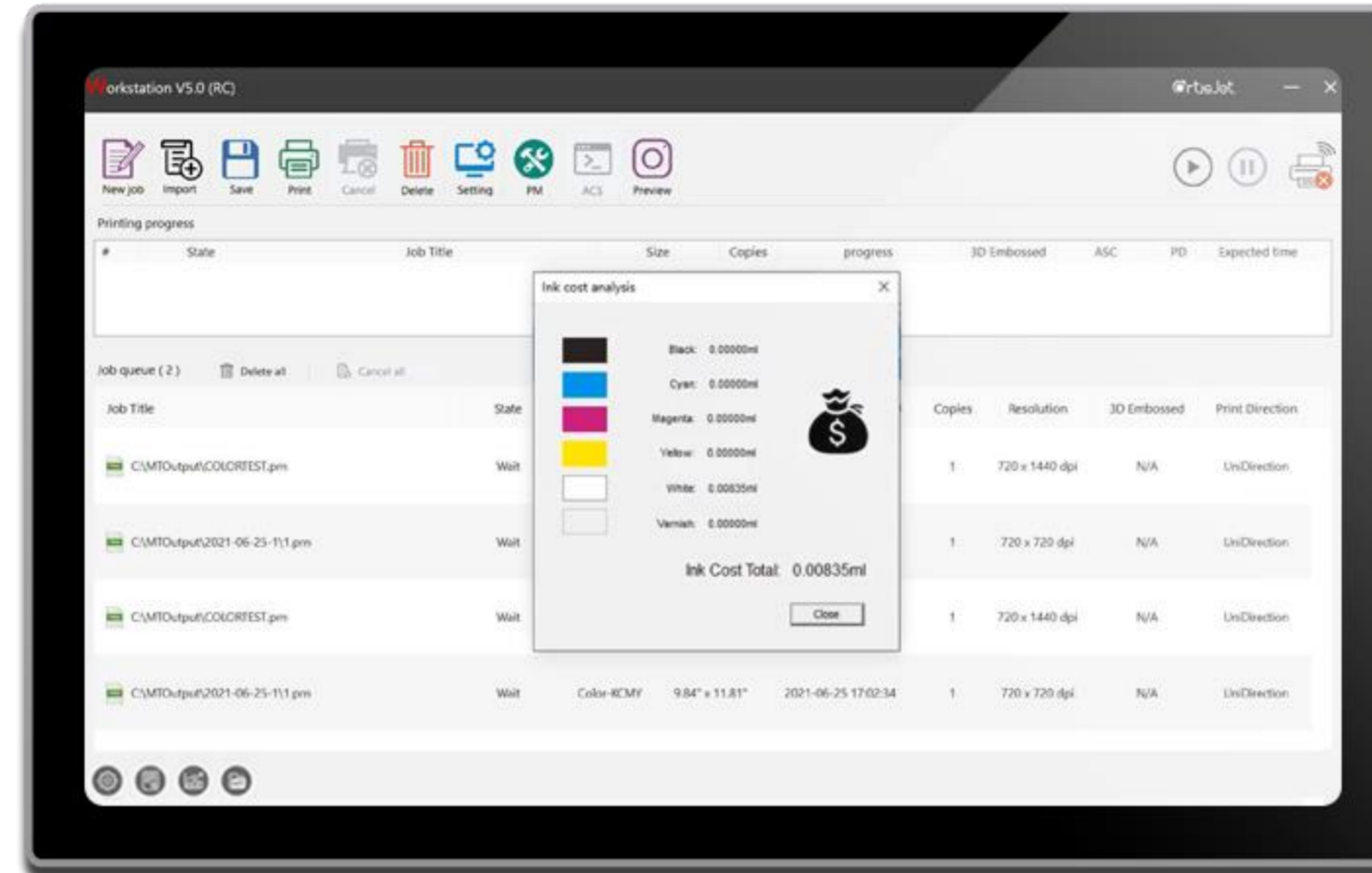

Ready for Integration

Full integration and customization with your software via HOT FOLDER and VIRTUAL PRINT

Compatible to DTC software

Card printing and design made simple due to full compatibility to third party DTC software customization

Instant ink cost analysis

Calculate your card production ink cost before printing with quick access directly on your screen
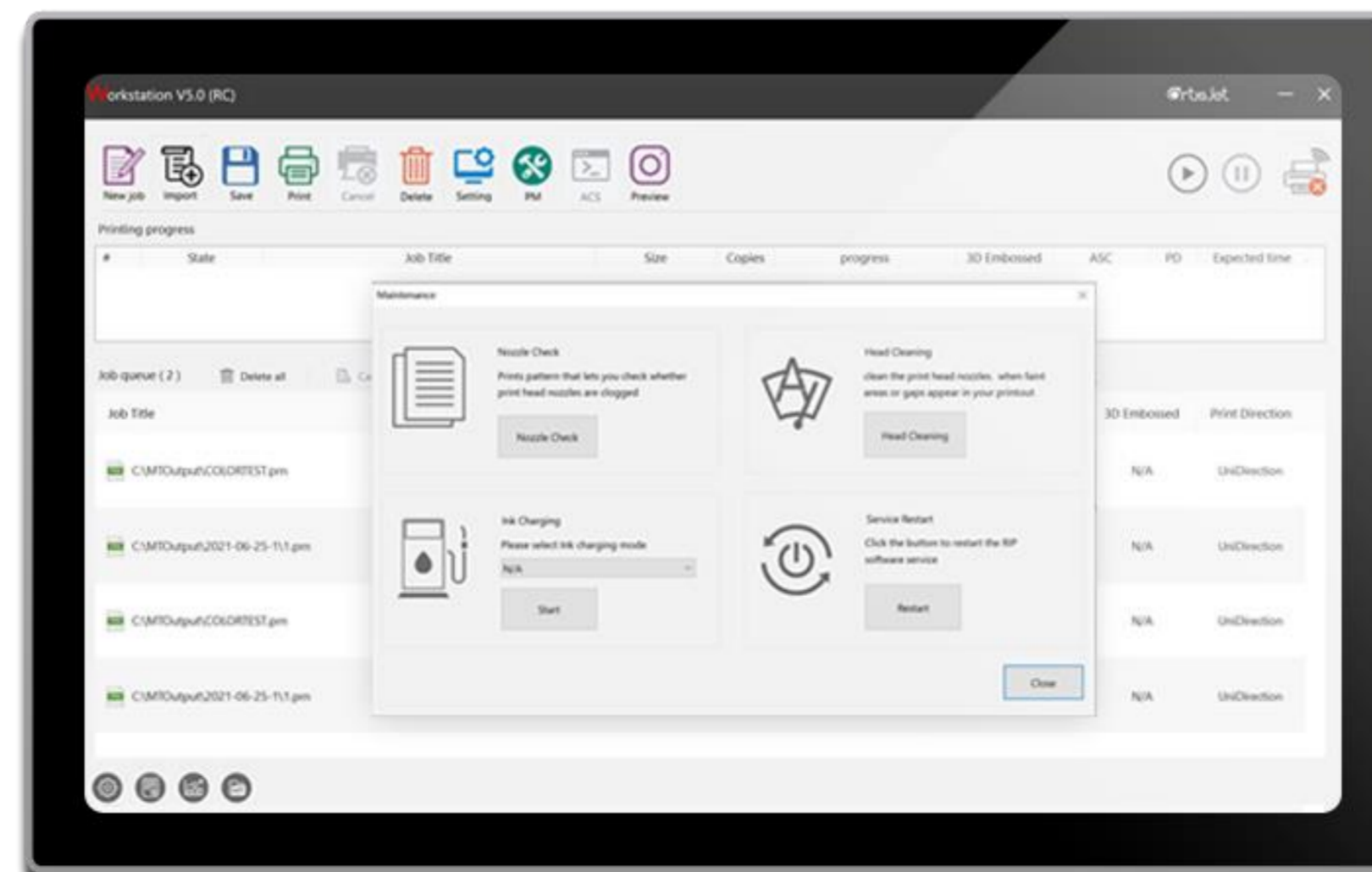
Printing Time Estimates

Be ready and organize the printing tasks by always knowing how long it will take to print a full batch of cards.

Minimal maintenance in one click

Automatic ink flow, ink cleaning & maintenance in one click in quick simple steps, and easy to reactivate after long idle mode.

Open SDK on demand

Proud is mainly serving for larger scale events and card mass-customization printing production process, but further development is available on demand.

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Made for Cards

Solution Designed for Performance
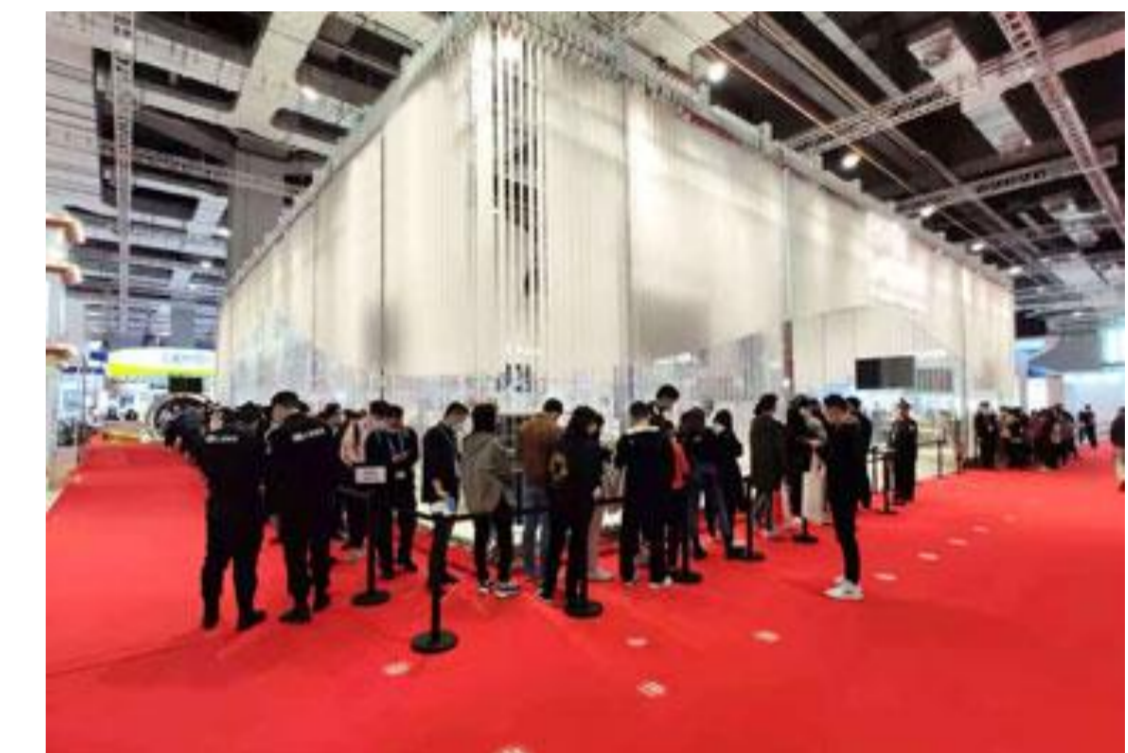
SPORTING EVENTS, OLYMPICS & CHAMPIONSHIPS

CONFERENCES & OFFICIAL NATIONAL MEETINGS

MAXIMUM SECURITY EVENTS

INTERNATIONAL FAIRS ATTENDANCE

A card printer empowering on demand customization for different card materials, **ARTISJET PROUD** is dedicatedly designed for the high operation requirements for events occasions, and ID cards customization with supersized cards and standard cards printing. Equipped with the high resolution UV inkjet print engine, accurate automatic card feeding system and wide range of array of encoding options to meet a broad range of applications for different environments.

With excellent printing stability and productivity, the artisJet Proud ID card printer can be integrated with third-party systems, to ensure an efficient and reliable solution to all event occasions.

Instant issuance

Cards to get up and running immediately

Corporate

artisJet Proud can meet the ID requirements of all organizations who rely on proprietary information and even highly sensitive data, easily incorporating multiple security features like RFID cards are.

Government

artisJet's automated ID card printer offers card issuance solutions with secure, durable photo ID credentials and other info at all levels of government, topped by wear and tear resistance features in national ID, drivers' licenses, permit cards etc.

Education

From universities to primary schools, use of card printing UV LED tech in education area contributes to improving not only the security (College IDs / Student ID cards), but also the learning quality (libraries cards) as well as simplifying the administrative tasks.

Financial

artisJet Card UV LED technology is effectively contributing in helping banks offering instant credit cards or debit cards to their customers, without the hassle of extended waiting time until a card can be issued.

Hospitality and leisure

Another applicability is in access cards to facilitate a controlled and safer door and facilities access in hotels, spas etc., via magnetic stripe cards, contact and contactless cards.
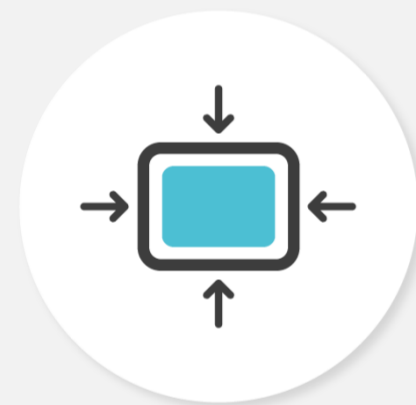
Transportation

Throughout the world, public transportation is already smart, but also becoming smarter to travel more convenient: from contactless smart cards / transit cards to pay bus tickets, subway access, etc. All these need also to be personalized to identify the users.

Data Overview

Complex card mass print made easy

Card Size

Up to 140*88 mm & beyond with on demand customization

Ink

CMYK Ink System

High Res

Up to 1440 dpi

Card Thickness

0.8 – 1.0 mm

Card Capacity

200 cards loading capacity /pass

RFID

RFID Data Reading & Printing
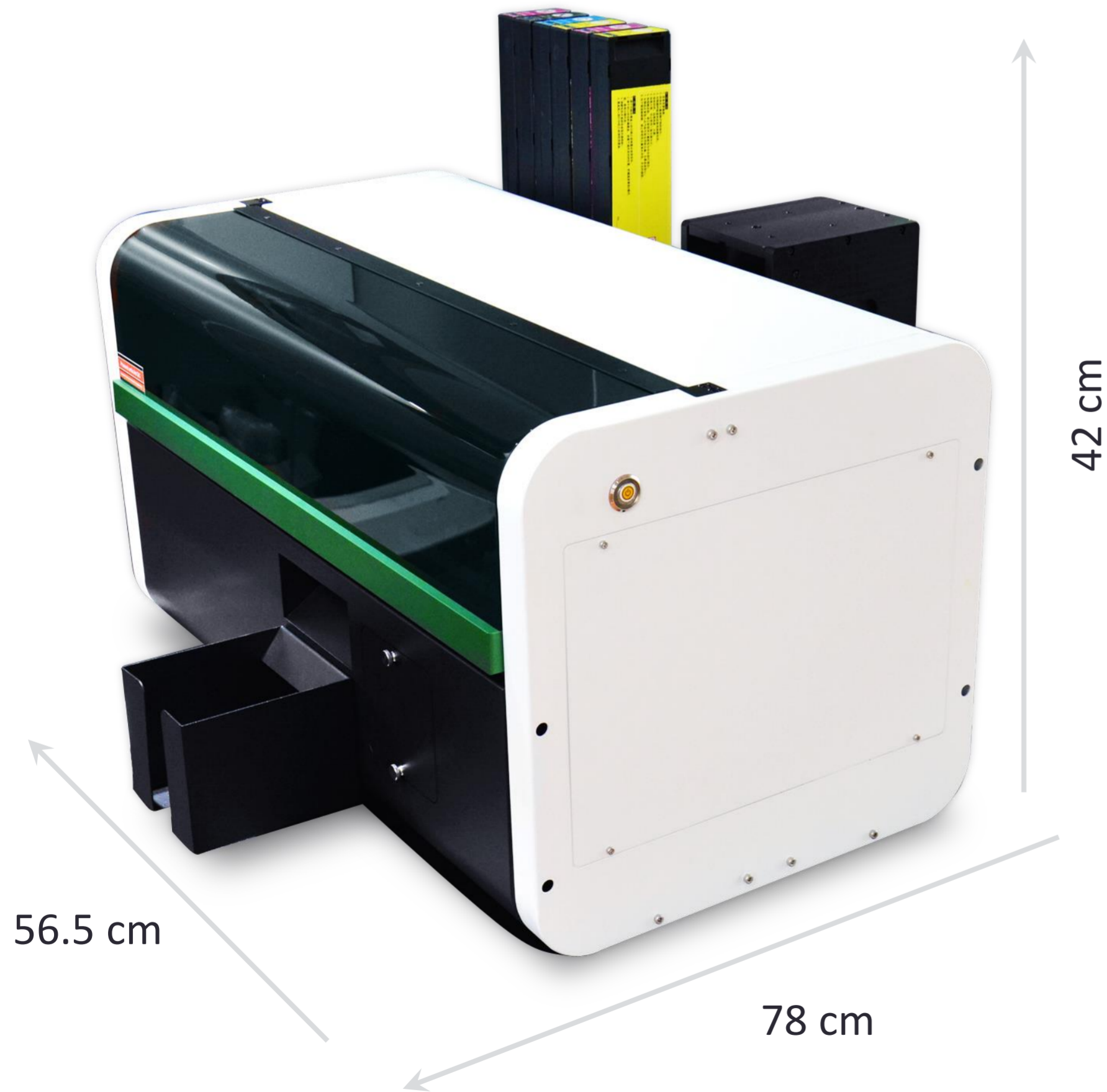
VDP Print

Variable Data Printing

Safe

Odor Cleaning System and RISC Certified

Key Specs

Reliable card print system

42 cm

56.5 cm

78 cm

Product SKU

AJ-PROUD

Print Method

Direct to Substrate

Global Launching

September 2021

Ink Type

artisInk DTSAT4 Card Ink

Printer Full Size

78 x 56.5 x 42 cm (D x W x H)

Ink Channels

YMCK original setting and on demand ink setup

Printer Weight

60 kg

Software

Compatibility to any DTC and 3rd party software

Card Materials

Plastic cards, PVC cards, PC cards, PP cards, PET cards, ABS cards, PETG cards etc.

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

Automatic card producer for Qty on demand

Edge-breaking simplicity for mass-card customization

Being professional is not hard.
artisJet PROUD printer is easy and simple to start with your 123 operation.

Print 200 cards in one pass, with new loading any time. Continue to load as many cards as needed, without hitting the stop button during the printing process.

Customize 80-100 cards automatically / hour with full color at full coverage.

High compatibility on all cards

Wide range of card printing possibilities

Print on different card size and thickness: CR80 cards, CR100 cards, and other sizes.

CR80 Standard Cards

54 * 86 mm (2.125" * 3.37")

Supersized cards

Up to 140 * 88 mm (5.51" * 3.46")
and beyond

Credit card-sized ID

Standard most popular ID cards / wallet-fit cards: credit cards, driver's license, public transport cards, student ID cards, employee / staff badges, work permits, retail loyalty cards, proximity cards, smart cards, RFID cards

Direct print the basics: small user photo, custom logos, info text lines etc.
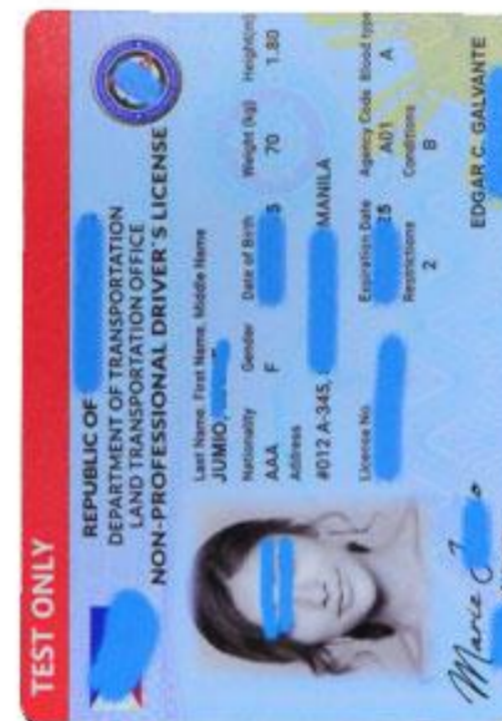
Name badge-sized ID cards
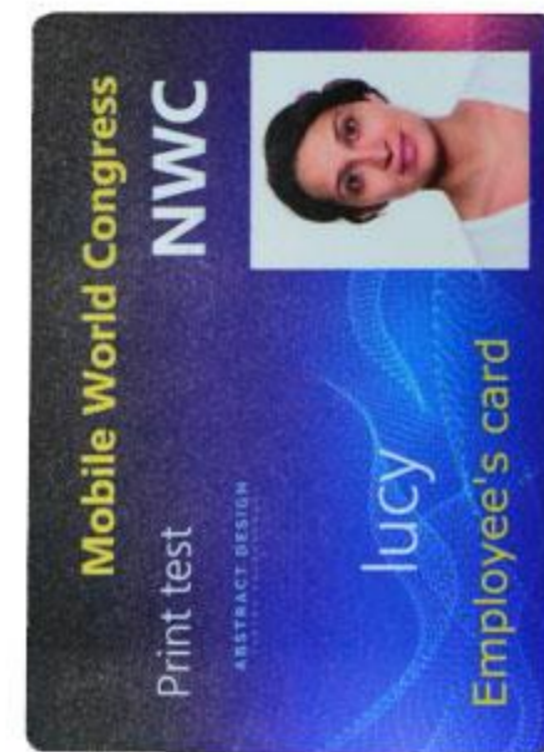
Also called oversize cards, these are 42% (and up) larger than standard cards, ensuring more area for customization with larger photos, logos, barcodes, QR codes, text and other important data. Printed data easy to see from distance.

?	PRESS JOURNALIST Jennifer Doe	会议 测试样张 首席证	Mobile World Congress NWC lucy Employee's card	DEPARTMENT OF TRANSPORTATION NON-PROFESSIONAL DRIVER'S LICENSE	Brian	John Smith Support Specialist	CENTRAL INTELLIGENCE AGENCY
Your on demand custom size	140 * 88 mm (5.51" * 3.46")	125 * 88 mm (4.92" * 3.46")	104 * 75 mm (4.05" * 2.95")	100 * 70 mm (3.94" * 2.76")	98.5 * 67 mm (3.88" * 2.64")	92 * 60 mm (3.62" * 2.36")	85.6 * 54 mm (3.37" * 2.13")

Edge-to-edge printing

Free-bleeding function

No unprinted border around the perimeter of the card!

artisJet Proud is with **Patent Bleed Technology** which performs perfect **full format edge-to-edge printing**.

We understand the traditional way of printing which creates a lot of edge-to-edge, but we designed this printer bleeding-free. No any break lines or white areas will be made.

The automatic card feeding system and the wide range of array of encoding options will meet a broad range of applications, as needed.

Pairing quality & speed

Keep your customers lighted with quality

Pairing the best print quality with cost effective production, artisJet Proud is empowered with artisJet's latest print engine for card printing, delivering a resolution at 1440 DPI with photo quality equipped with 3.0PL micro piezo inkjet and UV curing inkjet system.

Anti-static electricity system is optimizing the ink drop quality and accuracy.

Standard cards print time

80 – 100 pcs / hour

Quality sharpness

From 1 pt. font size & higher, according to design needs

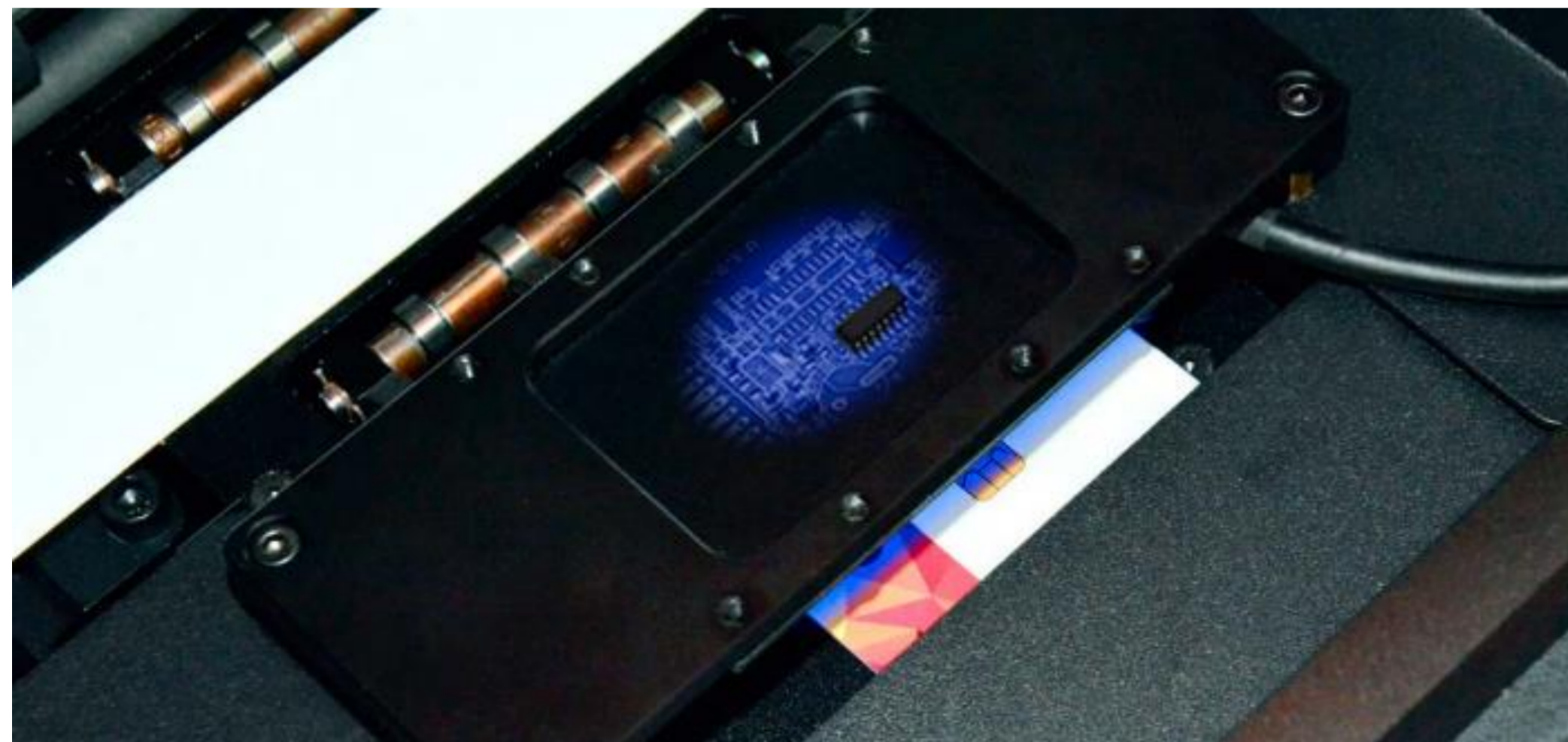Actual production speed is subject to the printing content coverage.

RFID / VDP Compatibility
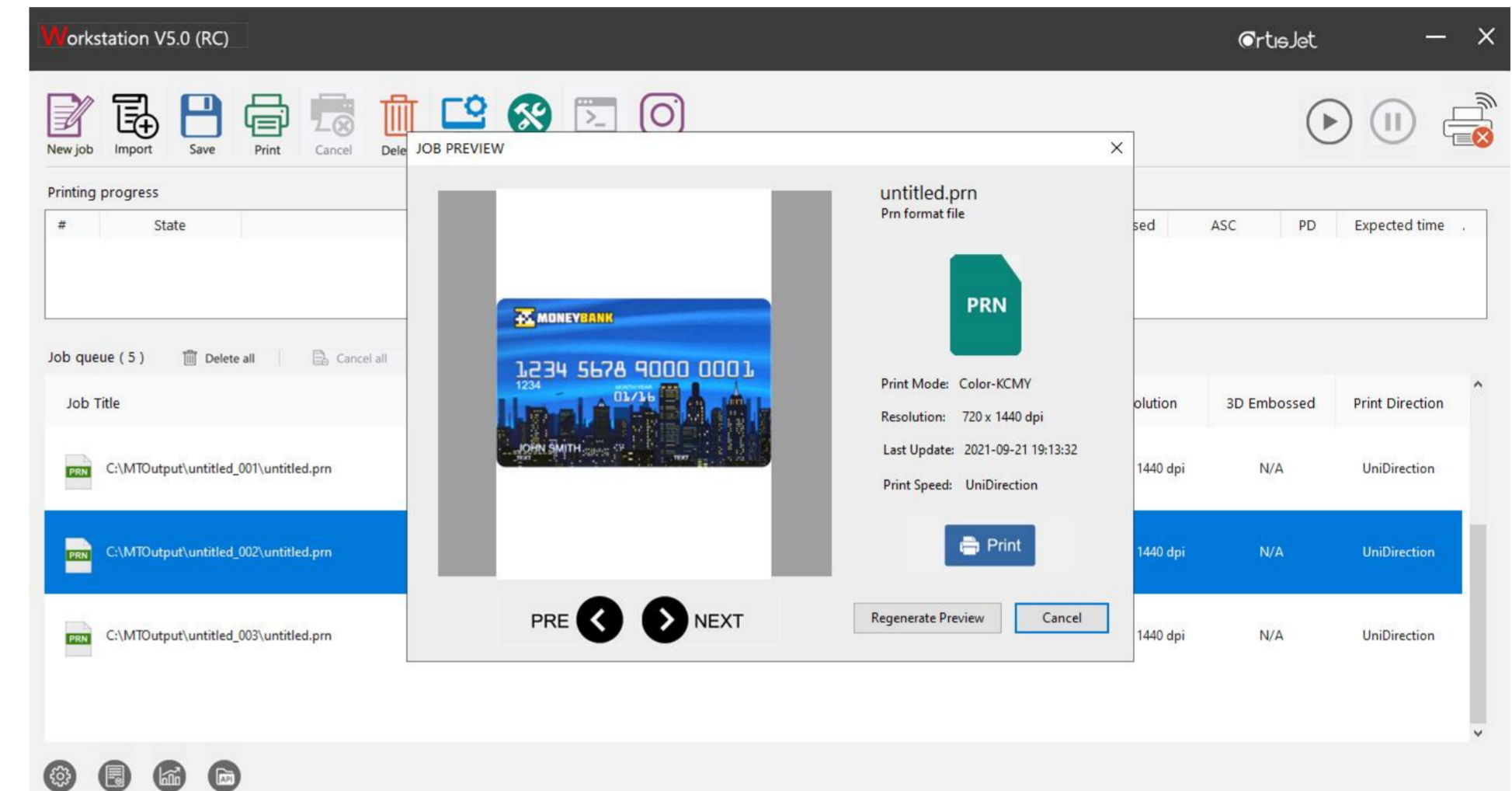
Equipping you with more options

Automatic pairing system for accurate data combination from digital color printing to RFID data, data reading, data writing and data matching became easier as never before.

ISO magnetic encoding is also available.

Edit and convert the variable data file from the dedicated software, import the variable data printing file to artisJet Workstation and print.

Environment friendly & safe

Green Ink System Optimization

DTSAT4 230 ml Ink Cartridges

✓ 100% use of ink

✓ Longer shelf life of the inks

✓ Waste ink tank with visible levels

✓ System safety level reminder to replace waste ink tank

Safe and Certified

artisInk has been proved by RoHS, REACH, CS65, RISC certificates. No release of any volatile organic compounds or any harmful toxics.

Anti-discoloration features

artisJet passed the international ink testing standards, as the UV ink is cured by UV LED, making it much more durable and temperature and humidity resistant.

High adhesion & scratch resistant

High color density and perfect gradient print finishes, initiating a strong bond with the substrate.

Our Services

Secure your investment success

High production efficiency and ROI supported by full automation, Intelligence edge, reduced labor cost, internetization even cloudization are the most important essentials to secure your business success in today's business environment.

artisJet support and service team protect your investment in the printers by maximizing the value of our experiences and the performances of the devices. With the standardization of SLA (Service Level Agreement), on-site , online services , extended warranty, and custom service packages, artisJet will cover the journey of your success.

Reaching the access of flexible yet standard service package is vital to you. You have your own demand and plans for your unique business based on your actual conditions, and artisJet understand.

1

Online Standard Service

Designed for all users with professionaly done dynamic and static documents via online environment (Teams, Zoom, WeChat, Sunlogin, TeamViewer etc.) with professional team.

2

Onsite Pro Service

A tailored solution and related documents for your print demand with on-site services with global access. Event or fair support services are available at the same time.

3

Service Pro

To fit your specific demand, artisJet team will provide custom workflow, IT integration, Software customization, and project implementation.

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Accessibility

Securing local access globally

North America

Canada
United States
Mexico

Europe

Spain
France
Portugal
Germany
Italy
Serbia
Romania
Netherlands
Belgium
Croatia
Slovakia
Hungary
Austria
United Kingdom

Asia

China
Singapore
Thailand
Malaysia
Pakistan
India

Middle East

United Arab Emirates
Egypt
Lebanon
Qatar
Saudi Arabia

South America

Chile
Peru
Brazil
Ecuador
Panama

Oceania

Australia

Ask about our distribution partnership programs!
Feel free to join us and enjoy the artisJet network, it is a family!

artisJet has been establishing the service centers to secure the local access globally and we have successfully expanded the **EASY-ACCESS SERVICE** in several countries across the Globe.

FAQ List

WHAT IS THE STANDARD SIZE OF THIS PRINTER?
78 * 57 * 42 cm (30.70" * 22.44" * 16.53") (Depth*Width*Height)

HOW MUCH THE PRINTER WEIGHTS?
Printer: 60 kg; Shipping: 78 kg.

WHAT IS THE PRINTING SPEED?
Standard Card Thickness: 0.7 mm (0.027")
CR80 cards: 54 * 86 mm (2.125" * 3.37"); Print 80 – 100 cards / hour;
CR100 cards: 88 * 124 mm (2.63" * 3.88"); Print 60 – 75 cards / hour.
Accordingly, the quantity estimates / hour could be different based on the actual image coverage.

IT CAN PRINT DIFFERENT CARD SIZES, SHOULD WE CHANGE THE HOPPERS WHEN WE CHANGE THE CARDS?
No, there are two standard hoppers, one is for CR80 cards and the other one is for CR100 cards, each hopper is with according feeding system and setting, unable to swap.

CAN YOUR PRINTER PRINT DOUBLE SIDE IN ONE PASS?
Currently, we do not support this for now. The main reason is that artisJet Proud card printer was initially a project by local government. They only needed one-side printing. But it is something we will be working on for sure.
R&D team is trying to manage the **Flip-over unit** and keep it as small as possible.

DOES THIS PRINTING WORK NEEDS COATING?
Very good question. As a matter of fact, not all of them, for almost 90% materials, especially PET, PETG, PVC plastic. In cases like metal, matte materials, primer will come in handy.

WHAT IS THE COLOR DURABILITY OF THE PRINTING WORK?
We have passed the international ink testing standards by testing it in an 85 Celsius degrees (185 in Fahrenheit) and 85% humidity for 168 hours.

WHICH IS BETTER ON THE DURABILITY BETWEEN UV AND THERMAL PRINTING?
UV printing is much more durable than the thermal printing for sure. UV printing techs aren't affected by temperature, humidity etc.

HAVE YOU DONE ANY THIRD-PARTY TESTING ON CHEMICAL HARMFUL?
It is absolutely safe. artisInk has been proved by RoHS, REACH, CS65, RISC certificates.

DO YOU HAVE ANY FRICTION TEST RESULTS?
Yes, the samples have passed the test of constant temperature and humidity (85°C and 85% humidity) before and after chromatic aberration.

DOES UV PRINTING IS AFFECTED BY TEMPERATURE THE SAME AS THERMAL PRINTING?
No, as the UV ink is cured by UV LED only.

DOES THIS PRINTER PERFORMS A PERFECT BLEED WITHOUT ANY LINE OR BLANK SPACE IN THE EDGES?
Yes, artisJet Proud is with patent bleed technology which performs perfect full format edge-to-edge printing. We understand the traditional way of printing which creates a lot of edge-to-edge, but we designed this printer bleeding-free. No any break lines or white areas will be made.

THE THERMAL PRINTING HAS CUTTING LINES WHEN PRINT THE SOLID DARK COLOR. HOW ABOUT PROUD ID CARD PRINTER?
artisJet UV printing calculating method achieves uniform color without any cutting. UV printing is a form of digital printing based on inkjet, by applying micro-piezo technology. Unlike thermal printing which will be affected by heating.

DOES THIS PRINTER PRINTS PANTONE COLORS, OR SOME COLOR MANAGEMENT AND ADJUSTMENT IS NEEDED?
You can implicate the Pantone colors by customize the ICC Profiles on demand, normally the design shall be in CMYK mode.

WHY THERE ARE TWO BACK-UP INK CARTRIDGES SPACE?
The back-up ones are for the colors consumed more than others. It is only optional for convenience. It can also be used when customers have demands on special colors.

HOW TO DO DAILY MAINTENANCE AND AT WHAT FREQUENCY?
Daily maintenance would be running one time of head cleaning from artisJet Workstation. After idling for long time, one to two times head cleaning. No manual work needed.

IS THE CARRIAGE REPLACING DIFFICULT AND WHAT SHOULD WE DO BEFORE OR AFTER THE REPLACEMENT?
The cartridge replacement is easy and simple, pull out the empty ones and insert the new ones, then perform ink charging for maintenance.

ANY WAY TO CALCULATE THE INK COST PRINTING?
Yes, the software will show you how much ink will be consumed prior to printing. You can also see the **Estimated Printing Time** in the artisJet Workstation.

WHAT IS THE PRINT HEAD'S LIFE SPAN OF THE CARD PRINTER (THERMAL PRINT HEAD: 5000 PCS) ?
The print head of artisJet Proud ID card printer normally works for more than 2 years.

WHICH PARTS WE SHOULD CHANGE AS SPARE PARTS?
Consumables: **Bleed roll**, **Damper**, **Wiper only**.

WHAT WE SHOULD DO IF THERE IS SOME AIR BUBBLE IN THE INK TUBE?
Perform **ink changing for maintenance** in the artisJet Workstation.

HOW ABOUT THE RESOLUTION OF THE PRINTING RESULT?
1440 dpi with 3.0 Pico liters.

HOW TO PRINT THE SERIAL NUMBER PRINTING AS VARIABLE DATA PRINTING?
Edit and convert the variable data file from the dedicated software, import the variable data printing file to artisJet Workstation and print.

IF WE WANT TO PRINT MORE THAN 200 CARDS (DOUBLE SIDE PRINT) HOW IS POSSIBLE AFTER ONE SIDE PRINTING TO PRINT ON THE DATA ON THE OTHER SIDE AND ON THE RIGHT CARD?
The printer is with RFID function. If the cards is also with RFID, the printer can read the information before print and match the right information. If the cards have to RFID, you should follow the same ways as office printer.

DURING PRINTER WORKING, IF LOADING CAPACITY OF 200 CARDS IS NEAR TO FINISH, CAN WE LOAD MORE CARDS AT THE SAME TIME OR WE NEED TO STOP WORK? IF WE LOAD MORE CARDS SO AT THE SAME TIME CAN WE ALSO SET PRINTING DESIGN FROM SOFTWARE FOR FURTHER CARD PRINTING OR NEED TO WAIT FINISHING THE FIRST TARGET OF 200 CARDS?
No, adding new cards to the hopper and the printing will not be stopped. It is a physical hopper, it will be continuously working until hit stop.

THE CARD PRINTER ACCOMMODATES EMBOSSED PRINTING? HOW DOES CHANGING THE EMBOSSED FROM SOFTWARE WORKS?
Yes, there is an option for embossed and Braille printing on artisJet Workstation. Select it when exercise printing.

WHAT'S THE HEIGHT OF THE EMBOSSED EFFECT?
It is on demand, depends on your printing needs.

PRINTING EDGES (PRINTING INSIDE EDGES) SHOULD BE PERFECT BLEEDING, NO LINE OUTSIDE?
Yes, edge-to-edge printing, no bleeding. No line outside.

PHYSICAL CONNECT B/W P.H. AND MATERIAL?
No, just printer head through ink on materials. RFID, RSO functions enable contactless data reading and printing to ensure VDP and printing operation running great.

artisJet ®
amaze those you value

Thank You for your valuable time!

If you need assistance selecting artisJet PROUD direct card printer
for your specific card size customization needs, but also support on your card business project
(choosing the right card materials, determine printer compatibility etc.),
contact our professionals today. We are here for you!

Product Consulting

Call Us

(03) 359 0026

E-mail Us

info@ecardz.co.nz

Technical Support

Call Us

(03) 359 0026

E-mail Us

info@ecardz.co.nz