

# S7000Jet

Drop on Demand



Print technology

## A revolution for financial card issuance



МК 102ЕВН 2ЫСЕК

Matica's S7000Jet is the latest addition to the reliable and established S7000 platform. This brand-new system revolutionizes secure printing for the payment market.

Using **Drop on Demand (DoD)** printing technology, it can print up to 1,500 cards an hour with **outstanding print quality** in both black and white. DoD consumable costs are considerably lower than those for ribbon-based printing technologies, resulting in a significantly lower **cost per card**.

Process speed is substantially faster and abrasion resistance is four times **more durable** for UV-cured DoD ink than for thermal transfer printed cards.

<b>Eco-friendly</b>  Compatible materials	<b>Visa/Mastercard</b>  Fully compliant	<b>1500 cph</b>  Monochrome	<b>600 dpi</b>  Resolution
<b>UV curing</b>  4x more durable	<b>x600 in/out</b>  Single and Multiple options	<b>Maticard Pro®</b>  Production software	<b>Card attach</b>  Option
<b>Laser module</b>  Option	<b>Card labeller</b>  Option	<b>Braille module</b>  Option	<b>Warranty</b>  1 year

### What makes the S7000Jet ideal for payment card issuance?

- ▶ **Minimal maintenance** is required, with capping and cleaning both automated.
- ▶ **User-friendly:** The visual interface is easy to learn and use. Ink can be monitored in real-time and adjustments can be made easily.
- ▶ **Flexible small batch production:** Ideal for combining small batch orders into one production run, seamlessly and without any interruption - perfect for Rainbow jobs.
- ▶ **Sustainable:** Optimized for use with eco-friendly materials such as PLA and R-PVC.
- ▶ **High-resolution:** The BiancoNero™ printing head and inks enable 600 dpi high quality graphical personalization in black and white.
- ▶ **Lower cost-per-card** – compared to ribbon-based printing technologies.

# S7000Jet

## Printer specifications

### Print technology

- Drop on Demand (DoD) BiancoNero™ printing station with real-time ink monitoring
- Individual card transport system
- Individually enabled printheads

### Inkjet module

- Single or dual-side modules for a complete process
- Plasma pre-treatment for surface preparation, including gas filtering and exhaust
- BiancoNero™ heads for one or two colors per side
- LED UV lamp for ink curing. Adjustable light intensity, curing distances and exposure area.

### Print resolution

600dpi

### Print speed

1,500 cph

### Print area

ISO standard CR80 cards

### Input hopper capacity

- 600 cards (ISO standard, 0.76 mm / 30 mil thickness)
- Multiple hoppers available

### Output hopper capacity

- 600 cards (ISO standard, 0.76 mm / 30 mil thickness)
- Multiple hoppers available

### Communications interface

USB 2.0, Ethernet 10BaseT, 100BaseT

### Dimension (L x W x H)

300 x 70 x 140 cm (base machine)

### Power supply

100 to 240 VAC; 50/60 Hz, 2500 Watt

### Maximum operating time

24 hours

### Operating environment

Temperature: 15°C - 40°C (59°F - 104°F)  
Humidity: 20% - 65% (non-condensing)

### Vision verification

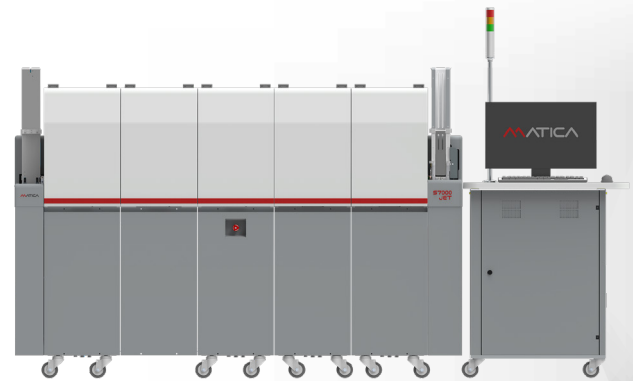
- Text (OCR/OCV) and barcode (linear/2D) validation to verify 100% of card production
- Front and/or rear processing available

### Sustainable

Pre-configured for optimal personalization quality on eco-friendly materials such as PLA and R-PVC

### Maintenance

Automatic cleaning and capping procedures



## Printer specifications

### Software

- MaticardPro card production
- Dedicated inkjet layout design
- BiancoNero™ monitoring agent

### Safety

- Head anti-collision system
- Emergency stop button
- Exception handling system

### Certifications

RoHS, CE, WEEE, Proposition 65, UL Laser Chamber

### Warranty

1 year standard  
+1 year extension available on request

## Encoding options

### Smart card / Contactless encoding

Single or multiple Silos IC encoder contact, contactless or dual interface module to encode any chip type:

- Contact PC/SC, EMV compliant
- Smart contact station: ISO 7816-2
- ISO14443A, B

### Magnetic stripe encoding

- Three track ISO standard reader-verifier magnetic encoding module

## Options

### Upgrades and modules

- LX laser marker
- Card activation labeler
- Card attach
- Braille module

## Consumables

### BiancoNero™ ink

- Black
- White
- Colors on request

### Flush fluid

**BIANCONEIRO**



## Global offices

Europe: Switzerland HQ, Italy

Asia: Malaysia, India

USA: Minneapolis HQ, South Carolina

Middle East: Dubai



Authorized reseller / System integrator