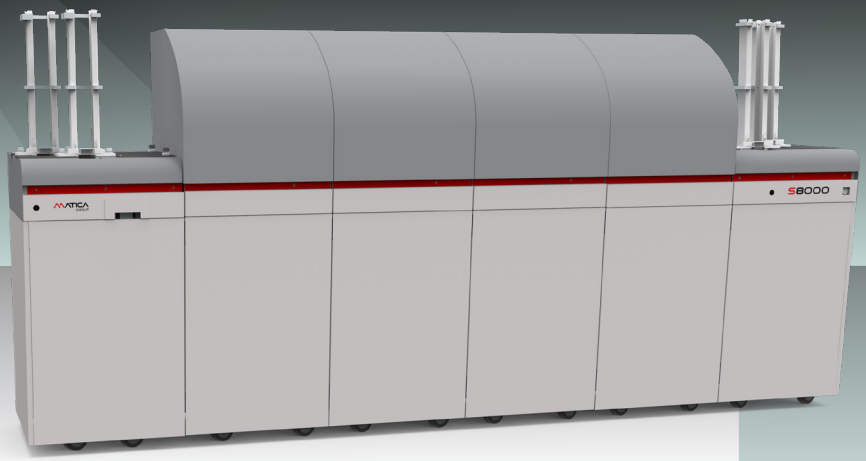
S8000

Laser — Personalization

Centralized — Issuance

Supercharge your ID issuance programs with a true laser powerhouse



Mind-blowing performance comes as standard with the first available configuration from our all-new central issuance platform.

The **S8000** is designed to be the centralized backbone for secure laser card personalization. This configuration of Matica's new platform is stacked with high performance; including an enhanced version of the proven **Matica LX Laser** and Matica's newly patented **Nanotouch card transport** for extended operation and high yield.

Alongside the classic high resolution grayscale portrait, ghost image and Machine Readable Zone, you can **go all out with card security** by adding features such as CLI, MLI, microtext, and transparent element.

By combining laser printing with the new **Smartwall module**, configured with multiple dual interface smart card stations, the S8000 delivers an impressive output of up to **2000cph**.

Expand your capabilities even further with up to four modules for inline laser printing and uo to 16 Smartwall stations for card encoding capacity.

S8000 delivers...

- A brand new platform showcasing Matica's latest technologies and innovations
- High performance GEN 3 LX fiber laser
- Smartwall - multiple dual interface readers
- Up to 2000 cards per hour
- Security features - including dual-side marking, tilted image, micro text, multiple encoding options
- Nanotouch - for clean and scratch free card transport
- High ratio of performance over footprint
- Integrates seamlessly with Matica's extensive software solutions for card management, smart card encoding, card security and digital identity

Ideal for

- National Identification cards
- Drivers licenses
- Other government ID

Standard features

- LX fiber laser — GEN 3
- 2000 cph — Laser
- Input hopper — 600 cards
- Output hopper — 600 cards
- Laser — Grayscale marking
- Fonts — Aa — Vector laser / TrueType®
- Orchestra™ — Production software
- Smartwall — x4 — Mutiple encoding
- Nanotouch — Precision transport
- Warranty — 1 YEAR

Optional features

- LX Laser — Up to 4 modules
- Input hoppers — Up to 4 x 600
- Output hoppers — Up to 4 x 600
- Vision inspection — Card verification
- Smartwall — x16 — Mutiple encoding
- CLI / MLI — Marking
- Extendable warranty — 1+ YEAR

S8000

Specifications

Print technology

- Master Oscillator Power Amplifier (MOPA) GEN 3 LX fiber laser
- Nanotouch card transport system

Laser speed

- Up to 2000 cph

Communications interface

- Ethernet

Module dimensions (L x W x H)

- 48/96 x 70 x 85 cm (Control module)
- 48 x 70 x 140 cm (Laser, input, output modules)
- 96 x 70 x 140 cm (Smartwall module)

Power supply

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

Operating time

- 24 / 7

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

Safety

- Emergency stop button
- Protected laser marking chamber

Certifications

- CE, UKCA, FCC, UL, RCM, RoHS, Reach, WEEE, Proposition 65

Warranty

- 1 year standard
- +1 year extension available on request

Card specifications

Print area

- ISO standard CR80 cards

Input hopper capacity

- 600 cards (ISO standard, 0.76 mm / 30 mil thickness)
- Up to four multiple hoppers available

Output hopper capacity

- 600 cards (ISO standard, 0.76 mm / 30 mil thickness)
- Up to four multiple hoppers available
- 50 card reject hopper

Card thickness

- 0.76mm +/- 0.08mm

Card types

- Polycarbonate, PVC, PVH/PVCL, ABS, PET, PEC

Encoding options

Smartcard / Contactless encoding

Smartwall module with 4 to 16 smartcard encoding stations

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

Options

Upgrades and modules

- LX laser marker - up to four modules
- Smartwall encoding - up to 16 stations
- Vision inspection
- Multiple input and output hoppers - up to four of each

Software integration solutions

Matica's proven systems can issue a secure credential that converges the physical and digital worlds.
The **S8000** platform has been designed to integrate seamlessly with Matica's diverse software solutions.

Orchestra

Matica's comprehensive new **control software** which converts data into secure identity documents, then manages the production flow.

Sinfonia Suite

A range of **image security software** designed to add layers of protection to physical identity documents printed on the S8000.

M SUITE

M SUITE from Matica is a standards-based **mobile ID** tech stack that enables the registration, provisioning, sharing and verification of secure digital ID credentials.

MATICA GROUP

Global offices

Europe: Switzerland HQ, Italy

Asia: Malaysia, India

USA: South Carolina HQ, Minneapolis

Middle East: Dubai

Authorized reseller / System integrator

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