MATICA
TECHNOLOGIES

S7200

CENTRALIZED HIGH SPEED FINANCIAL

CARD ISSUANCE PLATFORM

Centralized High Speed Financial Card Issuance and Personalization Platform

The S7200 is a pre-packaged configuration developed and optimized for credit or credit + debit financial card issuance. This specific configuration allows to maximize the production workflow optimizing the personalization process speeding it up to 1200cph.

The S7200 is a financial targeted high speed complete card issuance platform, made up by specific hardware and software and oriented to centralized card personalization for mid and high volume card issuance:
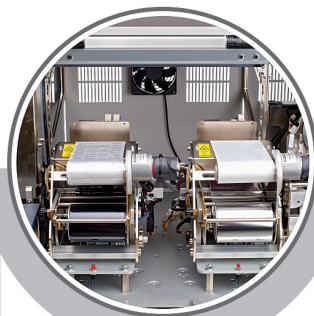
• Encoding: magnetic stripe, contact and contactless smart card
• Graphic thermal printing, monochrome and color
• Embossing, infilling and tipping
• Data integrity check and validation of EMV based information
• Card activation label printing and affixing
• In-line card mailing

It takes advantages by an automatic software optimization to evenly distribute the workload through the system available stations, thus increasing the overall speed and productivity.
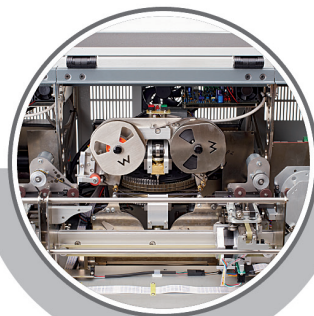

CARD STACKER
As part of the base system, the Card Stacker Module has multiple options. A standard 600 card output hopper with an updated card loading mechanism virtually eliminates jams for greater reliability. The module is also available with dual 600 card output hoppers, providing a total of 1,200 cards output. When performing a partial personalization, the Output Car Stacker can be used as an Intermediate Output module. It is mainly placed between a thermal printer and an embossing station. This feature serves to avoid the card transportation through all the machine's modules by excluding those which are not in use.
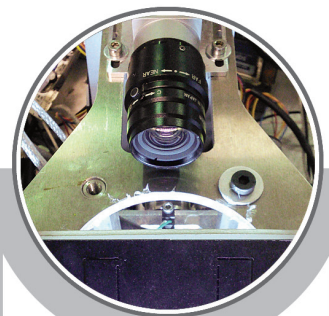
TIPPING
The Tipping Module can house one or two tipping stations. Each station can handle one color while multiple stations can provide you with multiple colors. In order to provide the maximum flexibility and decrease operator intervention, the same color can be used in more than one station.

EMBOSSING & INDENTING
The Embossing Module provides high speed and precision and features a fast transport mechanism that is "scratch free". Additionally, the noise level is remarkably low.

Each drum can support 100 or 114 characters and can be equipped with front and/or rear indenting.

VISION SYSTEM CASV (CARD ART-WORK STOCK VERIFICATION)
This new module features visual recognition capabilities and it is the perfect match for automatic card body VS. personalization job verification, thus clearing any operator mistake.

It works by verifying that the proper card stock is loaded, by comparing a wide card surface with referenced images acquired from real samples.
Front, rear and front/rear processing is supported.

The S7200 system comprehends a boosted base machine, that includes:

- Pro Issuance Kit
- Embossing and/or Indent
- Buffering System

Besides, being marketed at financial use, the following functions are also supported:

- Card Handling (Feeding, Stacking, Transport)
- Electronic Personalization (Magnetic Stripe and Chip)
- Thermal Printing
- Tipping and Card Labeling
- Mailing and Fulfillment

Matica S7200 includes the core of the unit (Base Unit), with software controller, power supply unit and all interface connections. The S7200 Base Unit includes by default a kit called "Pro Issuance Kit" that comprehends a Stack Light for machine operational status, a KeyLock Cabinet for computer, consumables and card secure storage and the DataEncrypt package to secure the data flow through the personalization system. In addition to this, S7200 comprises all components needed for embossing and/or indent. In order to improve credit or credit+debit performances, S7200 has been wrapped in a special configuration in which each drum copies the others. In details:
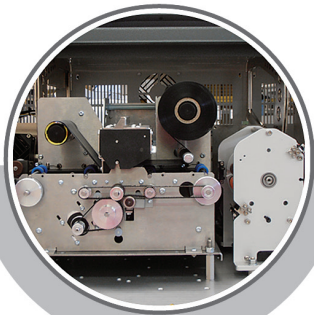
- Four 100 char drums with 4 rear indent stations for credit
- Four 114 char drums with 4 top and 4 rear indent stations for credit+debit

Matica S7200 is packed with a high speed smart Buffering System, that is added to the configuration if needed, with the purpose to balance and avoid slowing down the whole personalization workflow.

» HIGHLIGHTS

- **Embossing, Indenting & Tipping**
- **Monochrome & Color Printing**
- **Magnetic Stripe Encoding**
- **Contact Chip Encoding**
- **Contactless Encoding**
- **Advanced Barcode Reader Station**
- **Integrity Check Module**
- **Activation Labeling**
- **Card Attachment**
- **Mailing & Fulfillment**
- **Intermediate Card Feeder**
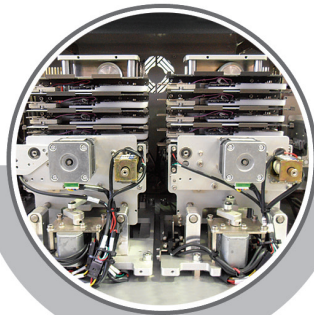- **Vision System**
- **Folding Only**

GRAPHIC PRINTING MODULE
Matica's graphic printing engine proves the meaning of quality and precision in printing. Designed for monochrome and full-color printing, it is ideally suited to print text, barcodes, logos or photos at 300 dpi resolution. The integrated flip-over allows optimal front & rear card management and the advanced cleaning roller provides maximum quality.
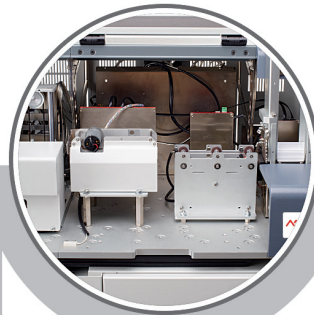
Sequential Color Printing
Up to 1,000 color photos per hour with sequential YMC dye sublimation color printing engines.

SMART CARD ENCODING
The Smart Card Encoding Module can personalize several cards in parallel. Stations are available for contact, contactless or both technologies. The number of programming stations integrated in each module is 5 or 10 for contact smart cards. For contactless cards, 3 stations is the default configuration. Several multi-station modules can be concatenated to suit your most demanding requirements.

MAG ENCODING MODULE
The Magnetic Stripe Encoding Module supports parallel read & write operation on three ISO compliant tracks. The encoder is able to manage coercivity levels from 300 Oe to 4000 Oe for LoCo and HiCo encoding.

CARD FEEDER
As part of the base system, the Card Feeder Module comes standard with a high-capacity 600 card hopper. An updated loading mechanism virtually eliminates card jams for greater reliability. The module is also available with dual 600 card input hoppers for 1,200 cards total input, which can be helpful when running multiple card batches. Intermediate card feeder and stacker modules are also available, for excellent machine configurability.
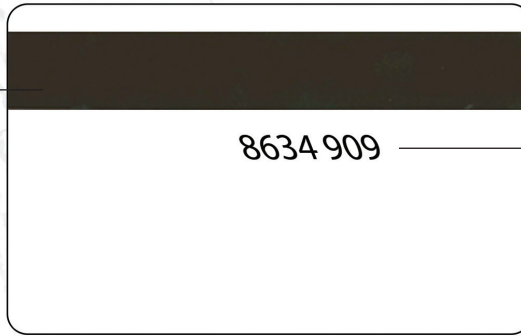
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the art of card issuance

Activation Label

Contact Chip Encoding

Contactless Smart-card Encoding

ACTIVA

ACTIVATION LABEL

MATIC BANK

2345 6789 2865 8634
2486
VALID FROM 01/12   VALID THRU 01/17
RIGHT JOANA

NISA

286

Embossing & Color Tipping

Magnetic Stripe Encoding

8634 909

909

Back Indenting

Front Indenting

280

MATIC BANK

2345 4457 0385 4691
N.32807860   VALID THRU 10/17

Debit
MaticCard

M BA

Near edge-to-edge monochrome and color printing

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