

S7000

FLEXIBLE PLATFORM FOR MID & HIGH VOLUME CARD PERSONALIZATION



MODULARITY, FLEXIBILITY, SCALABILITY

Leveraging a strong technology portfolio and solid engineering assets, Matica System gives you its new generation of card issuance systems, capable of delivering production volumes of 1,200 cards per hour and beyond. The S7000 supports all of the functions you require for card issuance, including multiple encoding stations, monochrome and color printing, overlay application, embossing, indent printing and topping.

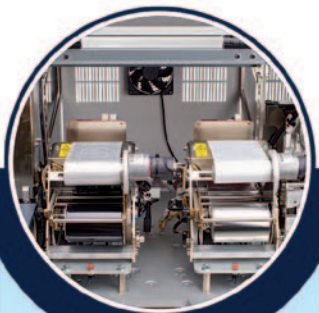
TARGET MARKETS

- Financial
- Insurance
- Government
- Healthcare
- Retail



OUTPUT HOPPER

As part of the base system, the Card Output 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 Hopper 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.



TOPPING

The Topping Module can house one or two topping 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
90% noise level reduction

The Embossing Module provides increased speed over previous versions, and features a faster transport mechanism that is "scratch free". Additionally, the noise level has been reduced of 90% respect to the previous version. Each drum can support 100 or 114 characters and can be equipped with front and/or rear indenting.



LASER ENGRAVING

The Laser Engraving Module can engrave text, images and barcodes, which can eliminate the cost of print ribbons. Laser engraving can also be used on contactless and display cards instead of embossing to prevent damage to the circuitry in the card. The full digital control loop allows full control to achieve high quality results on many different card materials. Any throughput requirement can be matched depending on card material and number of laser heads. The module supports single and dual-side engraving.



NEW! GRAPHIC PRINTING MODULE

Matica's latest graphic printing engine S1 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.



INPUT HOPPER

As part of the base system, the Card Input Module comes standard with a high-capacity 600 card stacker. 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.

Of the many innovative concepts implemented in S7000, two of most significant are the modularity and flexibility afforded by this advanced, scalable platform. The S7000 can be configured to perfectly match your current needs, while at the same time supporting any upgrades you may require in the future for increasing performance or adding functionalities.

PROTECTED INVESTMENT

The S7000 is made up of individual modules which can be configured to meet your current workflow. Unlike other budget-conscious personalization machines, as your production needs grow, you can add as many modules as necessary.

MEETS YOUR CURRENT NEEDS & FUTURE-PROOFS YOUR PRODUCTION

Capable of embossing over 1,000 cards per hour and printing up to 2,400 cards per hour, the S7000 is scalable from an entry-level system up to a system that meets the most demanding production environments.

THE COMPLETE SOLUTION, FROM CARD PERSONALIZATION TO CARD FULFILLMENT APPLICATIONS

The S7000 platform is a complete end-to-end solution, able to combine card personalization functions with in-line mailing equipment to prepare your cards for delivery to the end user.

The mailing system MS7000, allows you to attract and retain customers through advertising, customer communications, promotions & co-branding. The entire issuing and mailing environment is controlled by a single production software application, our new MaticardPro package.

INTEGRATES INTO EXISTING DATA STREAMS & WORKFLOW

The clean architecture of the hardware and control software means the S7000 can be added to virtually any existing production environment. With tools to convert data, the MaticardPro software can manage and produce jobs alongside other machines, and can be very useful when switching quickly between smaller batches.

new MaticardPro
Card Issuance

POWERFUL SOFTWARE SIMPLIFIES PRODUCTION

The system control software, MaticardPro, is a Microsoft® Windows® PC-based software platform that includes everything you need to run production jobs and batches. It provides a card design editor together with a card management and production solution, all in a single integrated package.

- Easy-to-use GUI reduces training costs and time
- Quick and easy switching between jobs and small batches
- Intuitive drag-and-drop layout editor makes creating and editing layouts and jobs simple
- Distributes and balances multiple jobs across multiple S7000s
- Track production with detailed log files
- Control access to data with built-in security policies
- Provides hardware status with error, audit and logging reporting
- Integrated diagnostics and troubleshooting tools help optimize system performance

HIGHLIGHTS

- Embossing, Indenting & Topping
- Monochrome & Color Printing
- Laser Engraving
- Magnetic Stripe Encoding
- Contact Chip Encoding
- Contactless Encoding
- Advanced Barcode Reader Station
- Integrity Check Module
- Activation Labeling
- Mailing & Fulfillment



EXAMPLE OF THE S7000 CONFIGURATION



AVAILABLE WITH THE MS7000 MAILING SYSTEM IN-LINE & OFF-LINE

COMPLETE RANGE OF PERSONALIZATION OPTIONS

The diagram illustrates three types of personalized cards, each with specific features highlighted by callouts:

- Card 1 (Blue):**
 - Activation Label:** A label with the word "ACTIVE" in a blue box.
 - Embossing & Color Topping:** A blue box with the number "286" in white.
 - Card Details:** "MATIC BANK", "2486 6789 2865 8634", "VALID FROM 01/12 VALID THRU 01/17", "RIGHT JONATHAN", and "NISA" logo.
- Card 2 (Black):**
 - Magnetic Stripe Encoding:** A black box representing the magnetic stripe.
 - Laser Engraved or Printed Images and Barcodes:** A box containing a barcode and a QR code.
 - Back Identifying:** A white box with the number "909" in black.
 - ABRS Advanced Barcode Reader Station:** A QR code.
 - Card Details:** "8634 909", "Debit", and "MaticaCard" logo.
- Card 3 (Black):**
 - Front Indenting:** A white box with the number "280" in black.
 - Near edge-to-edge monochrome and color printing:** A box with the letters "M" and "B" in a stylized font.
 - Card Details:** "MATIC BANK", "2486 4457 0385 4691", "32807860", "VALID THRU 10/17", and "MaticaCard" logo.
- Card 4 (White):**
 - Contact Chip Encoding:** A yellow box with a chip icon.
 - Laser Engraved or Printed Text:** A box with text: "Name: M", "Sex: F", "Birth Date: 01/12/1972".
 - Laser Engraved or Printed Biographical and Biometrical Data:** A box with a fingerprint icon.
 - Laser Engraved Micro Text:** A box with the text "MICROTEXT" repeated.
 - High Speed Full Color Photo Printing:** A box with a color photo of a woman.
 - Contactless Smart-card Encoding:** A box with a yellow and white striped pattern.
 - Card Details:** "Republic of Utopia", "Citizen Card", "Card # 364976241512789", "Name: Martha Jones", "Sex: F", "Birth Date: Jan 27, 1972", "Birth Place: New Bark", "Address: 32, Buffalo Road", "City: Summerfield Place", "Zip Code: 21007", "Issue date: Jan 24, 2012", "Expiry date: Jan 23, 2022", and a signature.