## EXAMPLES OF TYPICAL CONFIGURATIONS

### Bank environment

| 1 input hopper | > | 1 mag stripe | > | 2 multichip | > | 1 printing | > | 3 embossing | > | Dual tipping | > | 1 output hopper |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

### Service Bureaux

| Dual input hopper | > | 1 mag stripe | > | 1 multichip | > | 2 printing | > | 2 embossing | > | Dual tipping | > | Dual output hopper |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

*System 7000*

CONTACTS

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SPACE RESELLER (Label your contacts here)

# System 7000

**MULTI-COLOR GRAPHIC PRINTING**

- Card Encoding
- Monochrome & Color Printing
- Laser Engraving
- Embossing
- Tipping
- Activation Label
- Mailing System in line

**new**

## Matica
### SYSTEM

*Flexible platform for mid & high volume card personalization*

## Matica
### SYSTEM

# MODULES

## Introduction

Leveraging a strong technology portfolio and solid engineering assets, Matica System introduces its new generation of card issuance systems, capable of delivering production volumes of 1000 cards per hour and beyond.

System 7000 is a comprehensive platform, integrating hardware and software solutions to enhance your day-to-day productivity with a consistent, reliable throughput. System 7000 supports all the functions you require for card issuance, including multiple encoding stations, monochrome and colour printing, overlay application, embossing, indent printing and tipping. The innovative System 7000 platform is based on an entirely new control software, and a set of hardware modules incorporating all the latest technology updates. A number of advanced features, such as laser engraving, have been added to meet your most demanding requirements. In the face of increasingly complex card issuance requirements, System 7000 provides an ideal solution for guaranteeing optimal production speeds. Current trends in card personalization require an ever greater number of card profiles to be issued each day. System 7000 is able to optimize performance and efficiently manage production lots, including multiple card types within the same batch.

## A platform able to compete with high-volume issuance systems

In industrial environments calling for large capacity production, the System 7000 platform is able to meet the demand for high volumes through its hardware and software networking capabilities: multiple machines can be configured and driven over LAN connections and driven by a single production control software, so that they operate as an integrated system.

This network architecture affords exceptional flexibility, allowing your production load to be evenly distributed among different machines, and optimizing throughput in all conditions. Such an approach offers unquestionable advantages over using a single high-volume unit, whose productivity is highly susceptible to downtime, or even simple reloading of consumables.

The System 7000 platform can operate as a distributed issuing network, offering performance comparable to that of high-volume systems, but at a lower cost. The added value in terms of operability, flexibility and cost of ownership is second to none.

## A Comprehensive End-to-End Solution

The System 7000 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 Matica Mailing Systems consists of multiple components, including card affixing and verification modules, a card activation labeller, and inserter and folding machines. The entire issuing and mailing environment is controlled by a single production software application, our new Maticard Pro package.

### INPUT HOPPER
Card Input Module provides high capacity up to 600 cards in order to simplify operators intervention. A specific card handling mechanism improves card feeding and reduces jamming events for a higher reliability.
This module is also able to support dual input hoppers increasing the total capacity to 2x600 cards, useful also when multiple card batches are to be produced simultaneously.

### MAGNETIC ENCODING MODULE
The Magnetic Stripe encoder module supports parallel read and write operation on 3 data tracks compliant with ISO standards.
The encoder is able to manage most common coercivity levels from 3000e to 40000e.

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

### GRAPHIC PRINTING MODULE
Matica's latest graphic printing engine S1 is a considerable jump ahead, bringing unsurpassed performance, that allows to double speed if compared to the previous solution.
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.
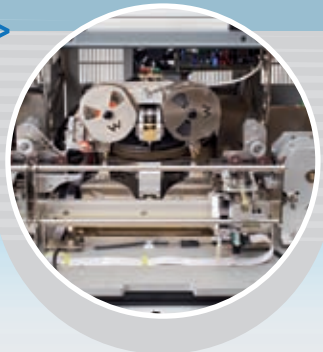
**AVAILABLE NOW only with S7000!**
Up to 1.000 color photo cards per hour, with Matica's unique sequential YMC printing!
High quality, ultra-fast dye sublimation color engine that allows unmatched issuance performance.
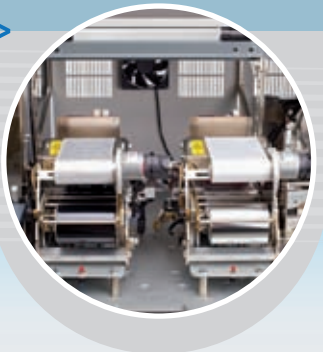
### LASER ENGRAVING
Laser engraving is specifically suited for highly secure applications.
Laser module engraves text and barcode saving the operative cost of consumables. This module has been designed to support high throughput in line with 1000 cards/hour.
The module supports single and dual-side card engraving. Its full digital control loop allows to tune and to optimize many parameters depending on the card material to achieve high quality results.
A specific laser graphic module will also be released to support gray-scale high quality photo engraving.

### EMBOSSING & INDENTING
Compared to previous products, Embossing Module of System 7000 has been further improved in terms of reliability and speed with a faster transport mechanism. Each embossing drum is able to support 100 or 114 characters, and can be equipped with front and/or rear indenting.
System 7000 can support up to 4 Embossing Modules in series to satisfy your most demanding issuance needs.

### TIPPING
System 7000 is proposed by default with a dual tipping module to provide more flexibility to your production.
Each tipping station can handle a different colour ribbon to increase productivity of the system, especially when dealing with complex production batches including multiple card profiles.
System 7000 can mount up to 2 tipping module (4 tipping stations) to provide maximum autonomy and flexibility on your production line.

### OUTPUT HOPPER
Card Output Module provides high capacity up to 600 cards. It supports also a reject tray capability. The module has been improved to reduces jamming events for a higher reliability.
This module is also able to support dual output hoppers increasing the total capacity to 2x600 cards, or sort out your personalized cards based on your own criterias.

## Modularity – Flexibility – Scalability
Of the many innovative concepts implemented in System 7000, two of the most significant are the modularity and flexibility afforded by this advanced, scalable platform.
System 7000 can be configured to perfectly match your current needs, while at the same time supporting any upgrades you may require in future for increasing performance or adding functionalities.
This means your investment in equipment is protected, and remains a valid asset from which to extend your production capabilities. System 7000 only requires you to define your present requirements, without worrying about tomorrow.

These key attributes ensure that your system can be kept up-to-date and efficient over time:
• System 7000 is scalable, allowing supplementary modules to be integrated as and when higher production throughput is needed.
• System 7000 is flexible, so that new functions and new technologies can be added as soon as they become available on the market. The modular architecture of System 7000 guarantees flexibility not only over time, but also across multiple locations. An individual module can be easily dismantled and reassembled inside another system, located in a different production plant. To achieve this versatility, System 7000 has a modular construction based on standard-sized cabinet units. Each cabinet unit contains one or more modules dedicated to a

specific personalization function. Multiple cabinet units can be easily put together to obtain a complete system, with seamless mechanical and electrical connections between the different cabinets. This design makes it extremely simple to add a new module or a new cabinet at any point of the system within an existing machine. What is more, the operation can be completed on-site at your production plant, in just a few hours.

## New
## Card Issuance
## Maticard Pro

The system control software is a comprehensive application, comprising all the elements you require to easily and efficiently run card production jobs or batches. It provides you with a card design editor and a card management and production solution, all in a single integrated package.

The control software is able to distribute and evenly balance multiple jobs across several systems connected over a network within your production plant. Distinct security policies can be assigned to different users, such as access to databases for editing or for production only. Detailed log files enable you to track your production output. The system is able to handle all professional database formats.

Performance and flexibility are the key benefits of the new System 7000. The capabilities of the control software, coupled with the system's hardware architecture, enable it to tackle multiple production jobs. Small batches comprising a variety of cards can be defined with no reduction in machine throughput, thereby improving your daily card issuance productivity.

Another key feature of the Maticard Pro software is simplicity. The user interface has been made straightforward and easy to use, to facilitate deployment to operators in the field. Maticard Pro minimizes the time required for training, and the attendant costs.