

CardMaster[®] One

Card personalisation platform

Reliable and secure personalisation – Scalable in functionality and speed

System philosophy

The CardMaster One system is designed for high quality, secure card personalisation. The system has a modular setup, highly configurable functionality and scalable throughput to accommodate each project's specific requirements. Field upgradable modules ensure smooth integration of future innovations. CardMaster One has been specifically designed for high-speed and high volume industrial use, intuitive and user-friendly operation, and requires only minimal maintenance.

Suits your project demands

The CardMaster One system is suitable for personalising and securing government cards such as identity cards, driver licenses and residence permits.

You simply choose the functionalities and throughput required for your project.

Additional benefits

The system has an open software interface allowing you to use and integrate the personalisation software of your choice without being required to make additional investments in software licenses.

What's more, IAI is a respected leader in the development, delivery and support of industrial personalisation equipment with a proven track record in secure and highly customizable passport and ID card personalisation. Our customers benefit from our years of laser-based security feature innovation experience and system design expertise.

Contact us to find out what CardMaster One can do to enhance both the security and productivity of your ID card projects.

Highlights

- **Flexible, secure card personalisation**
- **Modular design**
- **High yield**
- **Easy operation and minimal maintenance**



Tilt your expectations



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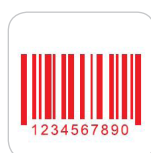
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What functionalities do you require?



Input. The input unit can be equipped with 1 to 8 input stackers and fully supports high production batch

runs – including those where multiple types of cards must be produced in a single run. For greater production security, lockable cassettes are available as an option.



Card identification. Pre-numbered cards can be identified by either reading a number or barcode

on the card, reading data from the encoded chip contained within the card – or both.



Chip encoding. The CardMaster One can be equipped with up to 16 contact and/or contactless encoding

heads within a single chip encoding module. If needed, several encoding modules can be installed. What's more, CardMaster One's open platform allows organizations to use the encoding software of their choice.



Cleaning. The cleaning module cleans your cards from dust and debris even before production begins

to ensure your finished cards are flawless.



Laser engraving.

The laser engraving module applies personal information to the front and back

of the card using laser technology wherein each laser uses a camera to align the data. This unit can apply both subsurface and tactile engraving as desired. The engraving unit can contain multiple engraving heads, depending on desired speed and functionality.



Inkjet printing. The CardMaster One platform includes a full-color industrial inkjet engine that

prints personal data directly onto the card surface. A built-in camera reads the positioning of a pre-printed mark to precisely align data for consistent and professional looking cards every time.



ImagePerf®. The cardholder's image is perforated through the card with a laser and is authenticated

against the original image, providing an additional layer of security to your finished cards. ImagePerf/TLI is offered as an optional module for the CardMaster One solution. In addition, several ImagePerf units can be installed on a single machine for increased production speed.



Magstripe encoding.

The CardMaster One platform offers an optional magstripe encoding module

for encoding bank cards or multi-function IDs that will be used for financial transactions.



Verification. Cameras cross check all applied visual data and features for accuracy, while a chip reader

verifies the electronic data to ensure that it has been encoded correctly. Cards that do not pass verification are automatically sent to a secured reject bin.



Output. Finished cards are conveyed to output stackers for retrieval. The system can be equipped with

up to 8 stackers that are accessible and can be emptied as needed during production. For greater production security, lockable cassettes are available as an option.

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