

The new CardMaster® One card personalisation platform

IAI is currently redeveloping its CardMaster One system platform. The new platform will be available from summer 2015.

A new system philosophy

The development is in line with IAI's new system philosophy. This means that the CardMaster One platform will have a modular set-up and throughput will be scalable in order to match each project's requirements. The system will be field upgradable and ready for future innovations. As always, the system is designed for intensive industrial use, user friendliness and easy and quick maintenance.

Suits your project demands

The new CardMaster One system will be suitable for personalisation of government, health and

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

Further benefits

IAI is an independent equipment supplier. The system has an open software platform; you can run your own software and no expensive licenses are needed. IAI is a well-recognized engineering company with a proven track record in passports and ID cards. Our customers will benefit from our years of experience in innovative laser based security features and system design.

Highlights

- **Modular design**
- **Scalable up to 2500 cards/hour**
- **For government, health and banking cards**
- **Proven performance**



Tilt your expectations



iai industrial systems



What functionalities do you require?



Input. The input unit can be equipped with 1 to 8 input stackers. This supports working in batch mode with several types of cards. Optionally, lockable cassettes can be used.



Card identification. A card can be identified by reading a number or barcode. Alternatively, the card can be identified by reading information from the chip.



Chip encoding. The unit can be equipped with up to 16 contact- and/or contactless encoding heads. If needed, a second chip encoding unit can be installed. An open platform is offered so that you can use your own encoding software.



Inkjet printing. The new CardMaster One platform will have a full colour industrial inkjet engine available that prints the personal data on the card body. A camera reads the position of a pre-printed mark to align the data.

After printing, the card is protected with a varnish. This process is under development.



ImagePerf®. The holder's photograph is perforated through the data page with a laser. This security feature called ImagePerf® authenticates the original photograph. ImagePerf/TLI® is available as an option and offers even more security. A second ImagePerf unit can be installed for extra speed.



Laser engraving. Personal data is laser engraved into the card body. The engraving unit can contain up to four engraving heads, depending on the required speed and functionality. If needed, a second laser engraving unit can be installed. Each laser head uses a camera to align the data.



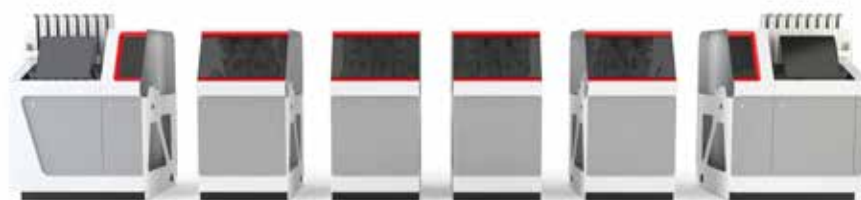
Magstripe encoding. The new CardMaster One platform will have an magstripe encoding unit available for banking cards. This process is under development.



Verification. Cameras cross check all applied visual data and features and a chip reader checks the electronic data to determine whether the information is applied correctly. Rejects are sent to the reject or rework bin.



Output. The finished cards are conveyed to the output stackers. The system can be equipped with up to 8 stackers. The system can be emptied during production. Optionally, lockable cassettes can be used.



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