



The CardMaster® Desk card personalisation system

The CardMaster Desk is a mid-volume, fully automated desktop personalisation system for the complete graphical and electronic personalisation of ID-1 sized cards.

High quality card personalisation

The CardMaster Desk system is equipped with the same industrial laser head as our high volume personalisation equipment, the CardMaster One, resulting in a forensically identical high quality laser engraving.

Proven industrial design

The CardMaster Desk has a robust industrial design and is easy and safe to operate and maintain. The system has a high throughput, high uptime and yield. The CardMaster Desk has a proven performance in the market of security documents.

Highlights

- **Fully automated system**
- **Upto 200 cards/hour**
- **Proven performance**
- **Output is forensically identical to output from CardMaster One system**

Tilt your expectations



iai industrial systems



What functionalities do you require?



Input unit. The operator simply places a stack of cards into the input tray. The input tray can hold a large stack of up to 200 cards. The cards are fed into the system automatically.



Card identification unit. A camera can be installed to identify cards with pre-printed information such as a number or barcode. Alternatively, the card can be identified by reading pre-programmed information from the chip. The system retrieves the required data from the host computer from the next step in the personalisation process.



Chip encoding unit. The system enables loading of personal data into the integrated electronic contact or contactless chip. The unit can be equipped with 1 or 2 heads. The unit verifies whether data is applied correctly. Rejects and cards with malfunctioning chips are sent to the reject bin.



Laser engraving unit. The system performs the laser engraving of the photo and personal data into the front and back side of the card. The data is aligned relative to pre-printed marks using a camera. Several laser engraving options are available such as tactile laser engraving and the application of an MLI or CLI feature. The quality of the laser engraving is high, allowing hidden information to be incorporated in the photograph.



Verification unit. 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. Loggings are kept of all results.



Output unit. Finished and approved cards are stacked in the output tray where the operator can remove them at any time, also during operation. The system will stop automatically when the last card has been processed and placed in the output tray.

