The CardMaster® Desk card personalisation system

The introduction of a new card project can be an exciting, but stressful endeavour. With IAI's innovative and easy-to-operate card personalisation systems, you'll have one less thing to worry about. Ideal for mid-volume projects, the compact and versatile CardMaster Desk system provides fully automated, complete graphical and electronic personalisation of cards.

High-quality ID cards. The CardMaster Desk system performs high-quality and fully automated graphical and electronic personalisation of polycarbonate ID cards. Equipped with the same industrial laser as IAI's higher-volume equipment, cards personalised with CardMaster Desk are forensically identical to those personalised with IAI's CardMaster One system. This also applies for security features such as tactile laser engraving, Changeable Laser Image (CLI) or Multiple Laser Image (MLI).

Proven industrial design. CardMaster Desk a proven performance in the security documents market. With its robust, industrial design, CardMaster Desk is easy and safe to operate and maintain. Built to last and fully compliant with CE and UL safety standards, the system provides high uptime and high yield. With its compact size, CardMaster Desk is also ideal for decentralised card personalisation.

Highlights

- Speed up to 200 cph
- Industrial design for high yield and uptime
- Fully automated
- High-quality laser engraving including tactile engraving and/or CLI/MLI
- Support for third-party security features
- Support for contact and contactless chip encoding
- Easy to operate and maintain
- Output is forensically identical to that of IAI's high-volume CardMaster One system
- Proven performance in the security documents market

What functionalities do you require?

USER INTERFACE

For safe and easy operation, the CardMaster Desk system offers a highly intuitive, touch-screen user interface. Clear, easy-to-understand menus in the user's language of choice enable the operator to control all aspects of the system, display general diagnostics and operational procedures, and provide a history log of all actions performed. For additional security, secure logon options such as fingerprint or smart card readers are available.

INPUT

For operator convenience, CardMaster Desk is equipped with an input stacker. The operator simply places a stack of cards into the stacker and the cards are fed into the system automatically. The input stacker can hold up to 200 cards.

CARD IDENTIFICATION

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 then retrieves the required data from the host computer for the next step in the personalisation process.

CHIP ENCODING

The unit can be equipped with one or two encoding heads for contact and/or cont actless chip encoding. The CardMaster Desk system uses a defined and documented interface, allowing customers to use the encoding software of their choice. Before programming, the chip can be tested to ensure it works properly. Rejected cards and/or those with malfunctioning chips are sent to the reject bin without further processing.

LASER ENGRAVING

The system performs precision laser engraving of the cardholder's photo and personal data onto the front and back sides of the card. To ensure proper placement, the laser uses a camera to align the data relative to pre-printed marks on the card. Several laser engraving options are available including tactile laser engraving, the application of CLI and MLI security features and/or the ability to incorporate third-party security features.

VERIFICATION

Cameras cross-check all applied visual data and features, while a chip reader checks the electronic data to ensure that the personal information has been applied correctly. Cards that do not pass verification are automatically sent to a reject bin.

OUTPUT

Finished and approved cards are stacked in the output stacker. For operator convenience, cards are accessible and retrievable at any time during the production process. The system will stop automatically once the last card has been processed and placed in the output stacker.

CARDMASTER® DESK // PERSONALISATION SYSTEM

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