DESKTOP EMBOSSING AND COLOR SYSTEM

MATICA
TECHNOLOGIES

S3800

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FINANCIAL DESKTOP EMBOSSER AND COLOR INSTANT ISSUANCE SYSTEM

The new S3800 instant issuance system has been designed around two core technologies. First, the newly launched embossing drum, based on Matica's reliable, heavy-duty embossing technology for central issuance, and second, the most reliable retransfer printing engine on the market. Together, they create a compact, easy-to-use, system, which allows embossed debit and credit cards to be issued at branch level helping banks to generate a seamless, frictionless customer experience and to potentially, save significant costs.

The S3800 benefits from the recently launched Matica Desktop Modules (MDM) architecture which offers a choice of unique hardware modules that can be combined to suit the user's needs. The MDM concept is designed to meet the demands of the very many applications that incoming technology is expected to work with, and to allow scalability.

Driving the printing, is the XID module, which uses reverse transfer printing technology to produce high quality, over-the-edge printed cards, so there are no white areas left unprinted. It's a feature that allows the S3800 to instantly issue cards with such intense colors that they easily rival the best preprinted cards on the market, making the S3800 a perfect soution also for service bureaus to print and emboss small series of cards.

The EMB module personalizes the card using the embossing and indenting drum, which can configure up to 72 + 72 characters for credit and debit card issuance. It embosses the front and rear indent, applying color to the embossed characters on the integrated tipping station.

Thanks to its high performance, the dual feeder option makes it best-in-class and allows different types of cards to be issued in a smooth, uninterrupted process, reducing the need to physically touch the card stock. In addition, the exception feeder allows to print a different card layout at any time.

The S3800 is capable of producing magnetic stripe payment cards, EMV contact chip and contactless RFID cards and, in line with Matica's family of instant issuance products, it includes the Matica Security Pack for financial issuance. This is a comprehensive set of security features that fulfil financial card personalization. It is fully compliant with international regulations governing physical and logical security in the financial issuance industry.

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TECHNICAL SPECIFICATIONS

Personalization method
Retransfer printer (XID module)
 Dye-sublimation retransfer YMC and thermal transfer (K) printing
 300 dpi
 Dual-side printing
Embossing and indenting (EMB module)
 Credit card configuration:
  1 x 72 character drum, rear indent, tipping one colour
 Credit and debit card configuration:
  2 x 72 character drums, front and rear indent, tipping one colour
Production speed
 • Standard credit card with YMCK, magnetic ISO encoding, colour on front and black on the back side, plus embossing and tipping on front and rear indent on back: 36 cards per hour - single process
 • Standard credit card with YMCK-PO, colour on front and black on back and embossing and tipping on front and rear indent on back: 32 cards per hour - single process
Encoding
 Magnetic stripe encoding: tracks 1, 2 & 3 ISO7811, HiCo/LoCo
 Options: EMV contact chip encoding and contactless chip encoding
Card specifications
 ISO CR80, ISO7810, ISO7816, ISO14443A&B
 Card thickness: 0.50 to 1.0 mm. (20 to 40 mil)
 Card material: PVC and composite PVC cards, PET-F/PET-G cards, ABS cards
Card hopper
 Automatic input feeder: 200 cards (0.76mm - 30 mil)
 Option: automatic dual feeder: 100 + 100 cards (0.76 mm - 30 mil)
 Concealed output hopper: 100 cards
 Internal reject hopper: 30 cards
 Exception feeder for single card
Connectivity
 USB 2.0 standard version
 Ethernet TCP-IP secure connection version
Software environment and SDK
 Supported OS: Windows 7 (32 & 64 bits), Win 8, Win 8.1, Win 10
 MatiDeskDLL with interfacing SDK compatibility
 Smart card SDK
 MDS software (Matica Desktop Suite) with interface SDK
Consumables
 Matica genuine consumables
Dimensions & Weight
 L x W x H:
  Credit card configuration: 380 x 640 x 400 mm
  Credit and debit card configuration: 380 x 670 x 400 mm
 Total weight:
  Credit card configuration: 45 kg
  Credit and debit card configuration: 50 kg

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