Advantage™
desktop card embossers

Advantage™ M20 Embosser

The universal desktop embosser and encoder designed for the secure and reliable instant personalization and issuance of credit and debit cards

The Advantage M20 is the newest in the Advantage embosser family of products. Secure, reliable and affordable, the Advantage M20 was designed specifically for the instant personalization and issuance of debit and/or credit cards.

The Advantage M20 possesses a stainless steel 120-character daisy wheel for embossing, and both front and rear indenting. A full range of international characters is available which makes this a truly universal embosser.

The Advantage M20 is provided with either a standard Windows driver for seamless integration with existing card personalization and issuing applications, or with a specific software library to allow its many features to be included in custom applications and solutions.

The Advantage M20 is feature-packed including:

- 100-card hopper for automatic card feeding
- Single card front input feeder
- 120 character embossing wheel
- Dual (front & rear) indent available
- High/low coercivity magnetic stripe encoding
- Contact and contactless smart card personalization
- Triple DES encryption
- Access cover secured with electronic lock under software control
- Anchors for bolting down the embosser to its operating station

Markets:

- **Financial**
- **Government**
- **Retail**
- **Insurance**

Applications:

- **Debit cards**
- **Credit cards**
- **Insurance cards**

... and more!

... security & reliability built right in ...

nbs
TECHNOLOGIES

SmartSys™

USE NBS'S SMARTSYS TABLETOP MACHINE CONTROL SOFTWARE TO GET MORE FEATURES
For even more enhanced capabilities, operate your Advantage M20 embosser with SmartSys Tabletop, the user-friendly, feature-packed card issuance software.

Xpressi™

EMV BRANCH ISSUANCE SOFTWARE
Couple your Advantage 2000 Series embosser with Xpressi™ software for an EMV branch card issuance solution that is cost-effective and easy to implement. Supporting multiple EMV configurations, chip types and even printer brands with one system, this solution gives an issuer the flexibility to keep their future expansion and operation options open for change.

For further detail on any of the above products, please consult the corresponding NBS brochure.

GENERAL SPECIFICATIONS

- 100 cards input hopper, automatic feeding
- 120 characters stainless steel daisy wheel embosser, easy installation of new types
- 50 finished cards output hopper, hopper full sensor
- 30 cards reject bin, bin full sensor
- Single card front input feeder
- Rear indenting, easy cartridge replacement
- Tipping
- Magnetic stripe encoder, high / low coercivity
- Operator panel : 2x24 LCD display, 12 keys numeric keypad, 5 status LEDs
- Mechanical and electronic software controlled locks
- Triple DES encryption
- DLL for Windows 2000/XP/Vista drivers available

PERFORMANCE

- 1 card in 30 seconds (excluding chip personalization)
- Maximum recommended usage: 100 cards per day (or 25,000 cards per year)

EMBOSSING CHARACTERISTICS

- OCR 7B, Standard Gothic
- Rear Indent: OCR B1
- Front Indent: OCR B4, OCR B1

A full range of other emboss/indent characters and fonts is available

CARD SPECIFICATIONS

- CR80 – PVC – 0.76mm, 30 mil
- ISO/IEC 7811, ISO/IEC7816

COMMUNICATIONS INTERFACE

- RS232, Ethernet, USB 2.0

MECHANICAL

- Height: 295 mm / 11.6 in
- Width: 455 mm / 17.9 in
- Depth: 670 mm / 26.4 in
- Weight: 39 Kg / 86 lbs

ELECTRICAL

- Input: 100-240 Volts AC, 50-60 Hz, 200W
- CE, CSA C & US, FCC Class A
- EN 60950

ENVIRONMENTAL

- Operating: 10 - 40 °C / 50 -104 °F, 20 - 80% RH
- Storage: 0 - 55 °C / 32 - 131 °F, 5 - 95% RH
- Transport: -15 - 55 °C / 5 - 131 °F, 5 - 95% RH (up to 20 hours)

OPTIONS

- Front indent
- ISO 7816 smart card personalization (EMV compliant)
- ISO 14443 contactless card personalization

Contact for sales & support:

RoHS Compliant

NBS TECHNOLOGIES

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