

## Z20

### CENTRALIZED CARD ISSUANCE SYSTEM



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Designed for cost-conscious service bureaus, card manufacturers and financial institutions for mid and high-volume centralized card issuance programs.

The Z20, with two embossing drums, speeds up the personalization of cards from data encoding to the topping process.

#### TARGET MARKETS

- Financial
- Government
- Retail
- Insurance



# Z20

## CARD ISSUANCE SYSTEM

### UP TO 700 CARDS PER HOUR

Through a highly effective card transportation and embossing mechanism composed of 2 embossing modules, productivity levels reach up to 700 cards/hour. The system has been designed to maximize operator efficiency and reduce issuance costs.

### MAGNETIC STRIPE ENCODING

The Z20 integrates an ISO 7811 magnetic stripe encoder.

### SINGLE OR MULTI-CHIP SMART CARD

The Z20 can incorporate a single smart card contact or Matica's revolutionary Smart Card Personalization Module which can simultaneously personalize up to 10 smart cards.

### EMV SMART CARD PERSONALIZATION

Matica cooperates with some of the largest smart card industry solution providers to offer complete EMV card personalization solutions.

### RFID CARD

The Z20 can incorporate an RFID Mifare reader to read or personalize contactless type of cards.

### TOPPING MODULE

The Z20 integrates the card topping module for which a wide range of colors (black, gold, silver, blue, etc.) is available.

### MATICARD PRODUCTION SOFTWARE

The MatiCard® 3 Windows-based card design software provides user-friendly interface between operator and the unit.

### FLOOR CABINET

Model Z20 is supplied as a freestanding floor unit incorporating a cabinet with storage capacity for cards and consumables as well as a support for an external monitor and keyboard.

## TECHNICAL SPECIFICATIONS

### Productivity (42 ch/card)

up to 700 cph

Recommended operating time: 16 hours/day, maximum 24 h

### Card handling

Input hopper capacity: 250 cards

Output hopper capacity: 250 cards (approx. 200 embossed)

Reject cards hopper

Cards format: ISO Std. CR80 - 0.76 mm

### Card Personalization

Magnetic stripe encoding

Two transport stations for in-field multi-chip module upgrade

Two embossing drums: 100 characters or 114 characters (53 emboss + 61 indent)

Topping module with ribbon saving feature (122 mt)

### Options

Front infillers device

Rear infillers device

Single Contact Encoding Station

Single Contactless Encoding Station

One (or two) Multi-Chip smart card module

- 5 to 10 contact or 3 to 6 contactless stations with USB Smart Card Reader (PCSC Driver)

- USB HUB

### Available Fonts

Std. Gothic and OCR7B emboss

OCRB1 and OCRB4 front indent

OCRA1 and CVV2 rear indent

Visa Flying "V", country specific and other embossing/indent types

### Communication Interface

1 RS232 serial port

1 or 2 extra USB ports for Multi-Chip modules

### Software

Maticard 3 for Windows® 2K/XP

Diagnostic and setup software included

### Other Features

Key-lock security feature

2 LCD display (40 x 2) + 3 function keys

Upgradeable Firmware via PC on Flash EPROM

Floor support cabinet

Monitor and keyboard support

### Dimensions & Weight (incl. floor support)

L x W x H: 55,1 x 117,1 x 118,1 cm

Weight: 205 kg

### Power Requirements:

Electrical requirements: 100 ~ 240 VAC (+/- 10%); 50/60 Hz (+/- 3 Hz)

**Matica**  
SYSTEM

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