

CARD ISSUANCE SYSTEM



Z20T



THE "ALL-IN-ONE" SOLUTION FOR MID-VOLUME CARD ISSUERS

Model Z20T is part of a new generation of card issuance systems specifically designed for cost-conscious service bureaus, card manufacturers or financial institutions for mid-volume centralised card issuance operations. Combining all the credit card technology in a single system (encoding, embossing, indenting, printing photos or logos and chip personalization), Z20T is the most versatile product today available in the market.

This highly productive system features the reliability, flexibility, simplicity and rugged construction that have made Matica a highly qualified supplier to some of the largest card issuers world-wide.

Target Markets

*Financial Institutions, Card Manufacturers, Service Bureaux,
Retailers, Insurance Companies*



UP TO 900 CARDS PER HOUR

Through a highly effective card transportation and embossing mechanism composed of **2 embossing modules**, productivity levels reach up to 900 cards/hour .

DUAL-SIDED MONOCHROME OR FULL-COLOUR PRINTING

The Z20T integrates a professional card printer particularly designed for monochrome and full-colour printing capability and the flip-over gives the possibility to print front, reverse and dual-sided. The AdvanceClean® Card Cleaning System ensures that cards are free from dust and debris thus maximising the lifetime of the print head as well as print quality.

MAGNETIC STRIPE ENCODING

The Z20T integrates an ISO 7811 magnetic stripe encoder (HiCo/LoCo – 3 tracks). MiniCard® / MiniVisa® compress encoding is also available.

SINGLE OR MULTI-CHIP SMART CARD

The Z20T can incorporate a single smart card contact or Matica's new revolutionary Smart Card Personalization module which can simultaneously personalize up to 10 smart cards.

EMV SMART CARD PERSONALISATION

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

RFID CARD

The Z20T can incorporate an RFID Mifare reader to read or personalize contact-less type of cards.

TIPPER

The Z20T integrates the card tipper module for which a wide range of colours (black, gold, silver, blue, etc.) are available.

MATICARD PRODUCTION SOFTWARE

The MatiCard® Windows-based Card Design software provides easy user interface between the operator and the unit.

FLOOR CABINET

Model Z20T 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.

MAILER IN –LINE

The Z20T can be linked to the MS10 or MS20 mailing systems to provide a complete and secure full personalization process.

Technical Features

Productivity (45 ch/card):

- up to 900 cph
- Colour "edge-to-edge": up to 120 cph
- Colour photo: up to 180 cph (with half panel ribbon – front print)

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 HiCo/LoCo: Standard tracks 1, 2 & 3, ISO 7811
- Two Transport modules for in-field Multi-Chip module upgrade
- Flip-Over for dual/sided printing (before the printing module)
- Graphic thermal printing module:
 - Full colour/monochrome
 - 300 dpi print resolution
 - Edge-to-edge print area
 - AdvanceClean® cleaning tape and roller system
- Two Embossing drums: 80, 100 characters or 114 characters (53 emboss + 61 indent)
- Tipper module with ribbon saving feature (122 mt)

Options:

- Front infiller device
- Rear infiller device
- Single Smart Card Station
- RFID Mifare Station
- MiniVisa® compress encoding
- One (or two) Multi-Chip smart card module:
 - 5 contact stations
 - 5 smart card readers (serial interface)
 - USB-to-8COM ports converter

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

Ribbon Types:

- Black monochrome ribbon: 1000 or 5000 prints/roll
- Other monochrome ribbons (red, blue, green, white, gold and silver): 1000 prints/roll
- Scratch-off ribbon: 1000 cards/roll
- 5-panel YMCKO ribbon: 200 or 1000 images/roll
- Half-panel YMCKO ribbon (specially for photo): 400 images/roll
- 6-panel YMCKOK ribbon: 200 images/roll
- 2-panel KO (black varnish overlay) ribbon: 500 images/roll

Communication Interface:

- 1 RS232 serial port and 1 USB port
- 1 extra USB port for Multi-Chip module

Software:

- MatiCard Design® Software for Windows® 2K/XP
- Diagnostics and set-up software included

Other Features:

- Key-lock security feature
- 2 LCD display (40x2) + 3 function keys
- Upgradeable Firmware via PC on Flash EPROM
- Floor support cabinet and monitor and keyboard support

Dimensions (incl. floor support): W1727 x D551 x H1181 mm

Weight (Incl floor support): 340 Kg

Power Requirements:

- Electrical requirements: 100V~240V 50/60Hz