MDS 9000

High performance, dual-function ATM in a sleek cabinet

Large cash storage capacity

5 cassettes, Total capacity of 10,000 banknotes.
1 cassette, Total capacity of 2,000 cheques.

Supports multi-currency deposit

Up to 120 currency types and denominations.

Separate access to cash and cheques

Enables clear separation of duties during collection.

Banknote serial number reader

Automatic recognition of serial numbers to aggregate useful analytic data.

XFS compliant

XFS 3.20 with CIM, IPM and mixed-mode support.

Supports image-based cheque clearing

Equipped with automatic front stamping and rear endorsement printers, and on-board scanner.

Purpose-built for cash and cheque deposit

The MDS 9000 is built to meet high frequency deposit transactions for both cash and cheques within a compact footprint. Its high transport speed and efficient scanning time enables customers to deposit 120 cheques and banknotes in a single feed operation.

Guided by intuitive instructions on its touchscreen panel and clear lighting indicators, the MDS 9000 ensures that your customer's deposit experience is one that is easy, fast and seamless. The machine is also built with an automatic acceptor feature that enables customers to insert banknotes and cheques in any orientation or alignment.

To maintain high reliability of deposit transactions, the MDS 9000 is engineered to incorporate ultrasonic sensors and metal detectors at the acceptor, so that banknotes and cheques found with any irregularities will be rejected immediately and returned to the customer. At the end of each successful transaction, a receipt complete with transaction data and images of all deposited cheques can be requested as proof of deposit.

The MDS 9000 is a leader in its own right because it is a specialised deposit system. By combining both cash and cheque deposit services within a slim and ergonomically designed footprint, this kiosk enables banks to reduce the complexity of its self-service fleet from both cost savings and real estate perspectives.

Salient features

- Escrow function roll storage up to 120 banknotes and/or cheques.
- Separate access to respective cash and cheques retain bins, Enables clear separation of duties during collection.

Cheque processing

- Performs MICR codeline verification and fraud detection.
- Automatic stamping on the front of each cheque, Able to encode up to 4 lines of data on the rear of each cheque, Both using HP inkjet technology.
- Real-time front and rear cheque image scanning, Stamped and endorsed.
- Option to scan cheques under UV illumination to detect tempered and cloned cheques.
- Records and saves customer's account number with its total deposited amount, Captures and stores all codelines and cheque images to enable real-time transmission to cheque processing centres.
- Cheques and banknotes do not need to be sorted for deposit, Can be fed into the kiosk in any orientation.

Banknote processing

- Supports multi-currency deposits.
- Performs verification on both sides of the banknotes.
- Able to read and capture serial numbers of each deposited banknote.

Cassettes capacity

- Banknotes: 5 cassettes (2,000 notes each cassette).
- Cheques: 1 cassette (2,000 cheques in total).

Technical Specifications

MDM 9000 Multi Deposit Module

- Single slot for cash and cheque deposit secured by aluminium shutter.
- Automatic feeder for batches up to 120 cheques and/or banknotes per feed.
- Double-cheques and staple detection.
- **Rejected cheques and banknotes handling:** Unreadable cheques and banknotes are returned to the customer through the output slot.
- **Uncollected cheques and banknotes:** Cheques and banknotes not collected from the output slot are retracted into its respective document retain bins.
- **Escrow function:** Roll storage up to 120 cheques and/or banknotes.

Cheque Processing

- MICR Reader: CMC7 or E13B reader.
- Front stamping or cheque crossing by high resolution inkjet printer (300 dpi) with personalised logo.
- Rear endorsement by high resolution inkjet printer, Up to 4 lines.
- **Front and rear cheque image scanning with G4 compression:**
  - 256 grey scale (100, 200, 300 dpi), JPEG format, black/white TIFF;
  - [Option] Colour images (200 dpi 24 bits true colour) or UV front image, 256 grey scale (200 dpi).
- 1 cheque cassette; Capacity up to 2,000 cheques.
- **High processing speed of 2.5 cheques per second.**

Banknote Processing

- Four-way insertion of banknotes, Up to 120 pieces per feed.
- **Banknote reader:**
  - Able to perform verification on both sides of a banknote;
  - Programmable to verify up to 120 banknotes of various currency types and denominations.
- Banknote serial number reader to capture each banknote's unique serial number.
- 5 banknote cassettes; Capacity up to 2,000 banknotes per cassette.
- 1 Reject Box to collect rejected or counterfeit banknotes.
- High speed processing of 5 banknotes per second.
- ECB Art.6 compliance.

LCD Touchscreen Monitor

- 15" (1024 x 768 pixel), SAW technology.

Card Reader

- Motorised card reader: Magnetic + chip card, with shutter, EMV/2 standard, XFS compliant; [Select either option] Magnetic stripe reader or HICO reader-writer.

Customer Keypad

- Stainless steel 130 x 110mm with 12 numeric + 4 function keys.
- Data encryption (Triple DES) and XFS compliant keypad.
- [Option] EMV compliant.

Receipt Printer

- Thermal printer for 80mm paper roll width.
- Transaction details printouts available in any language or fonts.
- Single or multiple cheque images, Advertising logos can be printed.
- [Option] To endorse receipts with bank's personalised stamp.
- Prints daily status reports.

Other Peripherals

- Audio speaker and headphone adapter to aid the visually impaired.
- Lighting panel with personalised logo placement at the top of the kiosk.
- [Option] Barcode reader for quick identification of payment documents.

Secure Safe Cabinet

- Safety level CEN (UNI EN 1143-1: 2012).
- Wide range of security sensors.

Recommended Document Dimensions

Cheques:

- Height 65 - 100 mm
- Length 120 - 200 mm

Banknotes:

- Height 60 - 82 mm
- Length 120 - 180 mm

Kiosk Dimensions

- Height: 140 cm
- Width: 52 cm
- Depth: 88 cm
- Weight: 410 kg

Interface

- Ethernet LAN connection to the HOST

Voltage

- 100 Vac (50Hz) - 240 Vac (60Hz)
- Power Consumption: 211 W

Quality Trademark

- Compliance CE
- Safety: EN 60950

SPECS

At Rototype International, challenge is integral to who we are. We challenge ourselves to improve the lives of ordinary people by creating easy-to-use banking solutions. We challenge ourselves to realise the plans that banks have, using technology.
And together, we challenge barriers that holds us from innovation, progress and competition.

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