

MODEL M 500 **4+1 NSM** NOTE SORTING MACHINE

The **M 500 4+1 NSM** is a heavy duty note sorting machine designed for high volume cash environments. Built for Currency Chest operations, Cash-in-Transit (CIT) and high volume cash processing, it delivers exceptional performance, accuracy and reliability.

With advanced fitness and authenticity detection, flexible pocket configuration and user-friendly operation, the **M 500** ensures secure, streamlined and efficient cash management.



COUNTING & AUTHENTICATION

Accurate counting with multi-sensor authentication



2-WAY FITNESS SORTING

Sort fit / unfit notes of same denomination with overflow pocket



3-WAY FITNESS SORTING

Sort fit notes into 3 pockets of single denomination



DENOMINATION SORTING

Sort mixed denominations with speed and accuracy



HIGH-SPEED PROCESSING

Up to 1,100 notes per minute



500 Banknotes Capacity
(in each pocket)

AUTHENTICATION SENSORS

- MG** Full-width Multi-channel Magnetics
- UV** Double-sided UV
- IR** Infra-red Detection
- CIS** Contact Image Sensors (CIS)
- OCR** OCR (Optional)
For serial number reading

OPERATING MODES

- Count**
- 2-Way Fitness Sort**
- 3-Way Fitness Sort**
- Denomination Sort**
- Face & Orientation Sort**
- Issue Split**

OUTPUT OPTIONS

- ✓ Six pocket configurations from 2+1 to 8+1
- ✓ Output pockets with 500 banknotes capacity
- ✓ Option of 200 capacity pockets with the M 500

TECHNICAL SPECIFICATIONS

Feeder	Up to 1,000 banknotes, continuous feeding, friction design, long-edge banknote feeding	Banknote size range	Width: up to 85mm Length: up to 182mm
Fitness sorting	Soil: stain/graffiti, ink wear, holes & tears, cornerfolds, missing corners, tape	Banknote substrate	Paper and polymer substrate
Authentication sensors	Full-width multi-channel magnetics, double-sided UV & IR, CIS	Operating modes	Count, 2-way fitness sort, 3-way fitness sort, face & orientation, denomination & issue split
Banknote classification	Denomination, series, orientation and size	Security access control	User level role setup
Serial number reading	Optional OCR for serial number reading	Connectivity	LAN, USB and Serial ports
Pocket configuration	4 output pockets + 1 reject pocket (Reject in first pocket)	Power Voltage	100V–240V ± 10% Frequency: 50/60Hz
Pocket capacity	Option of 500 banknotes capacity pockets (200 banknotes – optional)	Dimensions and weights (mm)	1520 (L) x 620 (W) x 1080 (H) / 180 kg (Approx., varies with configuration)
Processing capability	Standard speed of 900nmp and feeder throughput of 54,000 banknotes/hour Optional speed of 1,100nmp (66,000 banknotes/hour) or 700nmp (42,000 banknotes/hour) can be selected		

IDEAL FOR



Banks



Cash in Transit (CIT)



Currency Exchanges



Back Office Centers