

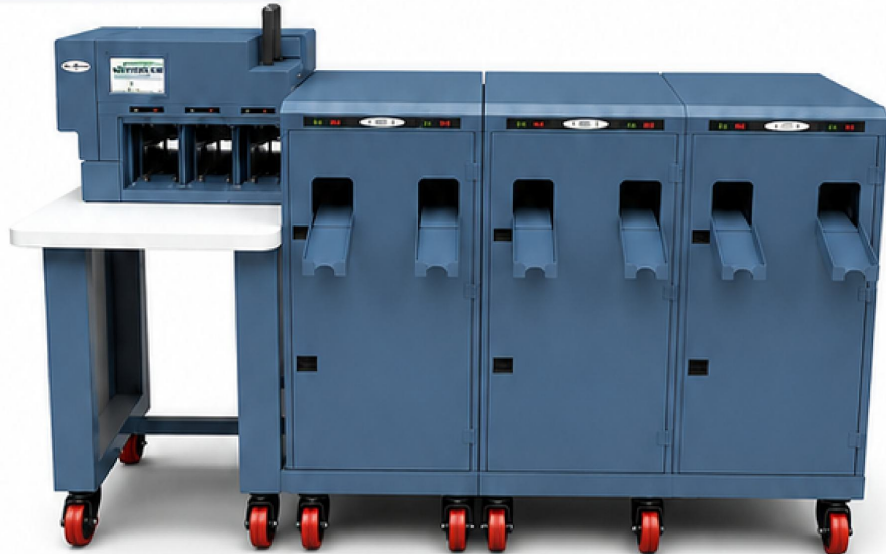
SUPPORTING
FLEXIBLE
BUSINESS

As central banks continue to devolve cash management responsibility to the commercial sector, there is an increasing demand to sort cash quickly and cost effectively.

Adopting a flexible business model allows you to allocate resources when and where it matters. Agility, flexibility and reliability together with minimal capital investment and maximum productivity are essential in achieving this model.

The **M 300 + Strapping Unit (2S/4S/6S)** is a solution ideally suited to, commercial banks, and cash centres where maximising operating efficiencies and maintaining the highest standards of accuracy and security are vital.

MODEL
M 300
+ Strapping Unit
(2S/4S/6S)



MAIN FUNCTIONS

CASH PROCESSING



- ATM Note
- Fit Note
- Unfit Note
- Suspect Note

AUTO STRAP



QR CODE PRINTING
(OPTIONAL)



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 300

M 300 + STRAPPING UNIT (2S/4S/6S) SPECIFICATION

Size	1590mm X 620mm X 1083mm
Net Weight	111 Kg
Processing speed	1100 npm
Feeding/output capacity	Feeding capacity: Min 1000 notes, continuous feeding; output capacity: 500
Reject capacity	500 notes
Suitable note size	Length 92~180mm; Width 42~110mm
Strap SIZE	9 straps per minutes
Input Voltage	AC 220V (1±10%), 50 Hz (1±5%)
Overall power consumption	880W
Working environment	Temperature: 0~40°C, humidity: 10-80% (No condensate water)

IDEAL FOR



Banks



Cash in Transit
(CIT)



Currency
Exchanges



Retail Cash
Centers



Back Office
Operations



MODIN

SYSTEMS

Modin Systems Pvt. Ltd.
Empowering secure and efficient
cash operations.



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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 900npm and feeder throughput of 54,000 banknotes/hour Optional speed of 1,100npm (66,000 banknotes/hour) or 700npm (42,000 banknotes/hour) can be selected		

IDEAL FOR



Banks



Cash in Transit (CIT)



Currency Exchanges



Back Office Centers

MODEL

MV 200

NOTE SORTING & AUTHENTICATION MACHINE

IDEAL FOR BRANCH OPERATION

Reduce transaction and operator training time, meaning you can start to realize the benefits of an optimised by the streamlining and efficiency of operator productivity sooner or across multiple sites.



IDEAL FOR BRANCH OPERATION

Designed specifically for bank branches and cash counters.



HIGH SPEED & ACCURACY

Fast and accurate note sorting with advanced detection technology.



ADVANCED AUTHENTICATION

Multi-sensor authentication ensures high reliability and security.



USER FRIENDLY INTERFACE

Intuitive touch display for easy operation and minimal training.



LOW MAINTENANCE & HIGH RELIABILITY

Built for continuous performance with minimal downtime.

TECHNICAL SPECIFICATIONS

Feeder	500 notes with continuous feed
Fitness sorting and authentication	
Banknote classification	Denomination, series and orientation
Fitness sorting	Soil, stain/graffiti, ink weak, holes & tears, loose, corners, missing corners, tape
Authentication sensors	Full width multi-channel magnetic, double sided ultra-violet (UV), fluorescence and infra-red (IR), contact image sensor (CIS)
Serial number reading	Optical character recognition (OCR)
Pockets	
Output pocket capacity	Up to 200 notes
Reject pocket capacity	Up to 100 notes
General	
Processing capability	Operator selectable speeds: 600, 800 and 1000 NPM
Counting range	Displays up to 9999 notes
Banknote size range (mm)	100 - 180 (L) - 50 - 100 (W)
Serial number reading	OCR
Thickness	0.075mm - 0.15mm
Dimensions (mm)	320 (L) x 295 (W) x 338 (H)
Weight	16.5 kg
Operating conditions	
Power Voltage	AC 100V - 240V +/- 10% Frequency: 50/60Hz
Power rating	120W
Noise	<60 dBA
Operating temperature	0 - 40°C
Humidity	30-90% RH

KEY BENEFITS

- ✓ Fast & Accurate Note Sorting
- ✓ Compact & Reliable Design
- ✓ Reduce Manual Handling
- ✓ Lower Total Cost of Ownership
- ✓ Advanced Fake Note Detection

IDEAL FOR



MODEL

MV 300

2+1 NSM

NOTE SORTING MACHINE

IDEAL FOR BRANCH OPERATION

The MV 300 2+1 NSM is a flexible desktop note sorting solution providing high-capacity sorting with a low cost of ownership. Designed for branch operations, PSU banks, cooperative banks and bulk cash deposit centers, the MV 300 delivers advanced authentication, denomination sorting and fitness detection with exceptional accuracy and reliability.



**Ideal for
Branch Operations**



**High Speed
Processing**



**Advanced
Authentication**



**Denomination
Sorting**



**OCR
Ready**



**Low Maintenance &
High Reliability**



MV 300 2+1 NSM

TECHNICAL SPECIFICATIONS

Feeding Capacity	≥1000 Notes
Output Pockets	2
Output Capacity	≥200 Notes
Reject Pocket	1
Reject Capacity	≥100 Notes
Sorting Speed	≥900 Notes/Minute
Display	7" LCD Display + 3 Digit LED Display
Net Weight	21 Kg
Dimensions (mm)	333 (L) × 340 (W) × 380 (H)
Suitable Note Size	Length 92 – 180 mm Width 60 – 90 mm Thickness 0.075 – 0.15 mm
Input Voltage	AC 220V (±10%), 50Hz
Power Consumption	130W
Working Noise	<70dB
Working Temperature	0°C – 40°C
Humidity	30% – 90% RH

AUTHENTICATION TECHNOLOGY

- ✓ Visible Light Reflection Detection
- ✓ Visible Light Transmission Detection
- ✓ IR Reflection Detection
- ✓ IR Transmission Detection
- ✓ UV Image Detection
- ✓ Full Magnetic Analysis
- ✓ Thickness Detection
- ✓ OCR Recognition



Compatible with the latest
issue of banknotes.

FITNESS SORTING CAPABILITIES

Detects:

- ✓ Soil
- ✓ Missing Corner
- ✓ Joint Notes
- ✓ Deformed Notes
- ✓ Tears
- ✓ Spoiled Notes
- ✓ Deinking
- ✓ Carbonization
- ✓ Graffiti
- ✓ Paste
- ✓ Tape
- ✓ OCR Recognition



Suitable for
Bank Vaults and Cash Counters

OPERATING MODES



COUNT



AUTHENTICATION



DENOMINATION
SORT



FACE &
ORIENTATION SORT



FITNESS SORT



ISSUE
RECOGNITION

IDEAL APPLICATIONS



Bank
Branches



Cooperative
Banks



PSU
Banks



Bulk Cash
Deposit Centers



Department
of Post



Hospitals



Universities



Government
Departments

KEY BENEFITS

- ✓ Fast & Accurate Note Sorting
- ✓ Advanced Fake Note Detection
- ✓ Compact Desktop Design
- ✓ Lower Total Cost of Ownership
- ✓ Easy Maintenance
- ✓ Reliable Performance
- ✓ High Speed Processing
- ✓ OCR Ready

M 400 3+1

NOTE SORTING MACHINE

**Back office Bulk Cash Counter,
Lower Denomination Sorting**

The M 400 3+1 is a reliable and high-performance note sorting machine designed for back office operations. It ensures accurate counting, authentication and sorting of Indian currency with speed and efficiency.



HIGH ACCURACY

Superior detection for accurate sorting



MULTI-SENSOR AUTHENTICATION

Advanced multi-sensor technology



HIGH SPEED SORTING

Up to 1,100 notes per minute



RELIABLE PERFORMANCE

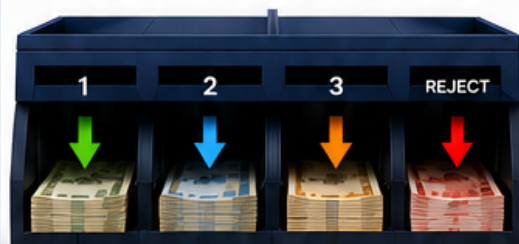
Consistent & dependable operation



EASY OPERATION

User-friendly interface

3 OUTPUT POCKETS + 1 REJECT POCKET



200 Banknotes Capacity
(in each pocket)

AUTHENTICATION SENSORS

- MG** Full-width multi-channel magnetics
- UV** Double-sided ultra-violet (UV)
- IR** Infra-red (IR)
- CIS** Contact image sensors (CIS)
- 123** Serial number reading
Optional OCR for serial number reading

FEATURES & BENEFITS

- ✓ High speed counting & sorting
- ✓ Multi-sensor authentication
- ✓ Superior fitness sorting
- ✓ User friendly touch display
- ✓ Reliable & durable design



OPERATING MODES

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

CONNECTIVITY

- LAN**
- USB**
- Serial Ports**

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	3 output pockets + 1 reject pocket	Power Voltage	100V~240V ± 10% Frequency: 50/60Hz
Pocket capacity	Option of 200 banknotes capacity pockets	Power ratings	256W
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	Dimensions and weights (mm)	762 (L) x 395 (W) x 439 (H) / 49kg

WIDE RANGE OF APPLICATIONS



Banks



Cash in Transit



Currency Exchanges



Retail Cash Centers



Back Office Operations

WHY CHOOSE MODIN SYSTEMS

- ✓ Higher Accuracy & Lower Errors
- ✓ Faster Processing & More Productivity
- ✓ Better Security & Verified Cash
- ✓ Cost Effective Operations