Multi-Pocket Banknote Sorters

MIB-3000 (2 Pockets+1 Reject)

MIB-5000 (w/4 Pockets+1 Reject)

Introduction

"AMROTEC® Cash Handling Equipment"

Today's business environment demands high-performance and high-quality products at a competitive price. AMROTEC® provides just that at the most competitive rates in the industry since 2003.

AMROTEC® produces quality and impressive Currency Discriminating and Sorting Equipment designed to handle medium to heavy-duty volume requirements at financial institutions, medium to large retail chains, credit-unions, community banks, casinos and other gamings and vending operations. Various models to choose from depending on your budget and need.

AMROTEC® Equipment are Certified.....

Our cash handling products are Certified by various certified agencies, such as FCC and CE tested labs and manufacturered under highest quality standard and quality-control by experience engineers. Not only offering advanced functionality and user-friendly operation for users, our currency discriminators and sorting equipments have been proven in the market place for many years, reliable and robust - Equipment you can Trust!

Visit our website:
www.amrotec.com

AMROTEC®

MIB-Series

Currency Discriminators
&
Multi-Pocket Banknote Sorters

- MIB-1 /1D
- MIB-9
- MIB-11V / F
- MIB-3000
- MIB-5000

Catalogue 2020

▶ **Specification**

		MIB-1	MIB-9	MIB-11V	MIB-11F	MIB-3000	MIB-5000
	Feeding System	Roller Friction System					
Counterfeit Detection	Contact Image Sensor	●	●	● ●	Dual CIS (Reflective & Transmission Light)		
	Thickness Sensor	N/A	N/A	N/A	10 Channel sensor for Tape Detection		
	Magneto-Resistive (MR)	●(MT)	●	●(18 Channels)	●(18 Channels)	●(12 Channels)	●(12 Channels)
	Magnetic	●	●				
	Ultra-Violet	●	●	Super UV + FL (Florecense)	Super UV + FL (Florecense)	Super UV + FL (Florecense)	Super UV + FL (Florecense)
	Infra-Red	●	●				
	Fitness Detector						●
Counting Speed (Notes/Min)	Piece Count	1500 NPM	1500 NPM	1500 NPM	1500 NPM	1000 NPM	(NPM=Note Per min) Fitness / Serial 800 NPM TITO: 1000 Sorting: 1000
	Detection On	800/1000/1200	1000(CF off)	1200	1200	1000	
	Denomination Count	1200	1000/1200(CF off)	1200	1200	1000	
	Serial Number / TITO			1200	1200	800 / 1000	
	Fitness Count				1200	800	
Available Currencies	Currency (Standard)	USA + CAD	USA + CAD	USA + CAD	USA + CAD	USA + CAD	USA
	Others(optional)						
	CAD	Standard	Standard	Standard	Standard	Standard	
	EURO	●	●		●	●	●
	GBP	●	●	●	●	●	●
Capacity	Minimum ...	10	10	20	20	12	12
	Hopper	500	500	500 - 700	500 - 700	700	700
	Stacker	200	200	250	250	200/Stacker	200/Stacker
	Reject	N/A	100	100	100	100	200
Countable Note Size	Length (mm)	85~190					100~185
	Width (mm)	60-100					50~90
	Thickness (mm)	0.08~0.12					0.06~0.12
Interface	Color Display	3.5" LCD	3" Graphic	4.3" Touch	4.3" Touch	5" Touch	5" Touch
	RS232, SD, Micro SD	RS232	RS232, SD	RS232, RJI1, Micro SD	RS232, RJI1, Micro SD	1 x RS232C, 2 x RJI1	1 x RS232C, 2 x RJI1
	USB (PC Connection)	1	1	1	1	USB A: 1 USB B: 1	USB A: 2 USB B: 2
	Data Storage	USD Drive (Software Upgrade)					USB Drive
	LAN	-	-	1	1	1	1
	Remote Display	1	1	1	1	1	1
	Thermal / Receipt printer	●	●	●	●	●	●
	Power Supply	AC100V ~ 240V, 50/60Hz					
	Max Consumption	>50W	55W	90W	90W	120W	200W
Dimension	Length (inch/mm)	11 / 278	10.7 / 269	13.8 / 348	13.8 / 348	12.1 / 306	12.56 / 317
	Width (inch / mm)	10.2 / 258	11 / 280	11.3 / 287	11.3 / 287	13.2 / 334	13.3 / 335
	Height (inch/mm))	10.6 / 268	10.3 / 261	12.4 / 313	12.4 / 313	15 / 380	22 / 555
	Net Weight(Lbs /Kgs)	14.3 / 6.5	17.6 / 8	26.4 / 12	26.4 / 12	39.6 / 18	77 / 35

Disclaimer: Specifications above are subject to change without further notice.

MIB-1 Series | Multi-Currency Discriminator with Single Stacker, High Speed

MIB-1 is a compact, single pocket Multi-currency discriminator which delivers intelligent and exceptional performance in its class. MIB-1 ensures all users' cash processing quality in terms of efficiency and accuracy. Best suitable for medium-duty cash processing application.

MIB-1 is implemented with advance designed multi-detection technology along with key electronics and mechanics to provide high acceptance rate of genuine notes at a speed of 1200 bills per minute while still provides suspect detection capability.

A unique idea of AMROTEC, MIB-1 is equipped with Dual USD software (Relax version or Strict version) for customers to choose from depending on their need. The most unique feature of MIB-1 is that it also processes mixture of world-currencies in one SINGLE-PASS.

MIB-1: USD +CAD Standard
MIB-1D: 4 currencies and above (Dual-CIS Sensors)

Essential Sensors

Sensors
CIS (Contact Image Sensor) detecting IR-Pattern
1 MT sensor at center, MG on left & right side
UV Sensor

In-house engineered and developed image processing technology with CIS, MG, UV sensors to provide complete solution for security features detection and banknote discrimination at high-speed.

Various Counting Modes

- Mix
- Count
- Single & Sort
- Auto & Multi-Currency
- Face
- Orientation

MIB-9 | Currency Discriminator with Stacker and Reject (2-Pockets) A Smart Choice For Bank Branches and Retails

MIB-9 is one of the world's most compact currency discriminators with a Stacker and full 100 bills reject pocket. It is equipped with Smart, comprehensive user-friendly functions for front bank tellers and retail cashiers. With an ergonomic design, 3" Graphic color LCD, the MIB-9 not only provides users with trouble-free operation, but also allows uninterrupted counting at a speed of 1000 bills per minute. High read rate and productivity that customers desire!

A unique idea of AMROTEC, MIB-9 is equipped with Dual USD software (Relax or Strict version) for customers to choose from depending on their need. Improvement over previous model, MIB-9 uses CIS (contact Image sensor) with IR-pattern recognition technology and provides 100 bills reject pocket capacity. Best suitable for small bank branches, credit unions, and various retail applications.
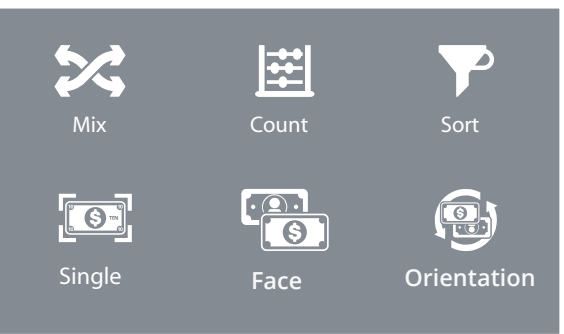
Essential Sensors Array

Gratitude to outstanding in-house sensor technology, MIB-9 provides exacting security protection against counterfeiting attempts through multi-detection technology. While maintaining low false alarm, it still provides excellent bill read rate acceptable to financial and retail industry.

MG & MR Sensors | CIS & IR Sensor 128 LEDs sensor | UV Sensor UV + Floresence

Various Counting Modes

- Mix
- Count
- Sort
- Single
- Face
- Orientation

MIB-11V | Multi-Currency Discriminator (2 Pockets) - Heavy duty
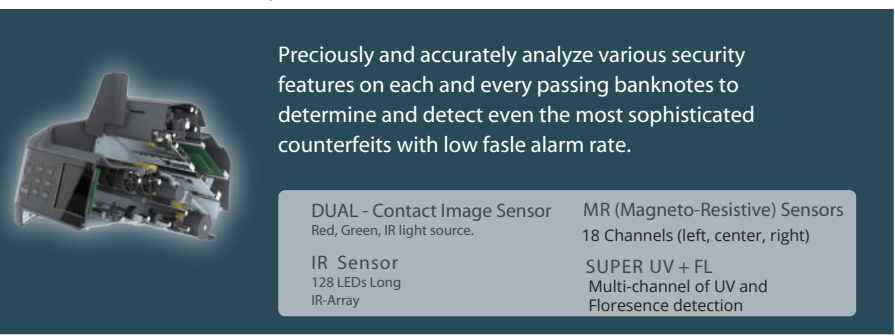
MIB-11V is designed for large volume cash processing upto 72,000 bills per hour error-free while optimizing cash processing efficiency at financial, casinos and super-markets. Featuring sophisticated Dual-CIS Sensors image processing technology, it provides various counting and sorting modes of operation uninterrupted with a dedicated full reject pocket while at the same time, provides highly-sophisticated suspect bill detection.

Likewise, MIB-11V model is equipped with Dual USD software (Relax version or Strict version) for customers to choose from depending on their need. The most unique feature of MIB-11V is to be able to process multi-currencies in a single pass and provides currency break-down and print each receipts.

Since release, MIB-11V has gained popularity for it's 4.3" capacitive Touch Screen panel with Stylus Pen to navigate along with user-friendly interface, superior bill read rate and highest suspect detection. USA and Canada currency software and Stylus pen are standard for all MIB-11V machines.
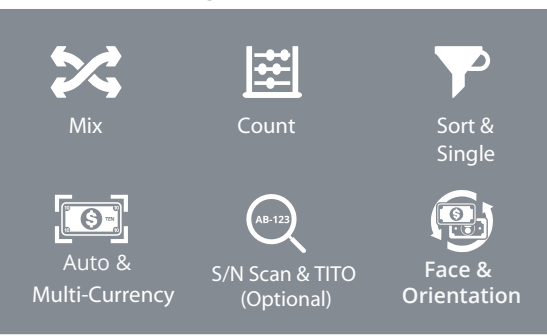
Essential Sensors Array

Preciously and accurately analyze various security features on each and every passing banknotes to determine and detect even the most sophisticated counterfeits with low fasle alarm rate.

DUAL - Contact Image Sensor
Red, Green, IR light source.
IR Sensor
128 LEDs Long
IR-Array

MR (Magneto-Resistive) Sensors
18 Channels (left, center, right)
SUPER UV + FL
Multi-channel of UV and Floresence detection

Various Counting Modes

- Mix
- Count
- Sort & Single
- Auto & Multi-Currency
- S/N Scan & TITO (Optional)
- Face & Orientation

MIB-11F | Currency Fitness Discriminator - Heavy Duty 2 Pockets Simply All-In One (Discriminator, Fitness, TITO)

MIB-11F is a heavy-duty 2-pocket ALL-IN-ONE (Discriminator, Fitness, TITO) to address demand for efficient cash-management at back office, at CITs, ATM cassettes replenishment for ATM operators or for processing (TITO) barcoded tickets at Casinos at a speed of 72,000 bills/tickets per hour.

Advanced Fitness Mechanism with reliable Dual-CIS and IR-Technology Sensor-set provide cutting edge solution for back office or Casino operation allowing increase productivity, efficientcy and cost reduction. Capable of process of world-currencies in one single-pass.

With it's remarkably low-jam rate, highest bill recognition and precise authentication for most sophisticated counterfeit banknotes, MIB-11F not only durable and desirable in it's class, but also a reliable options for ALL-IN-ONE Operation.
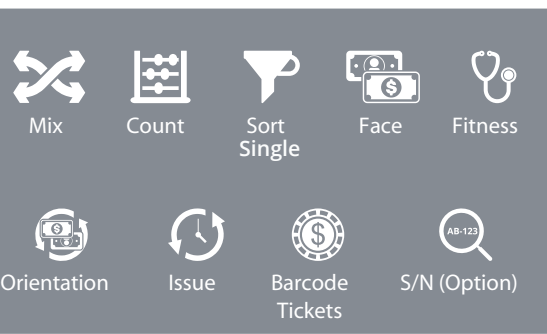
State Of Art Engineering

With 10 years of in-house sensor technology development, MIB-11F model is best at highest level of counterfeit detection, along with fitness sorting of ATM & FED quality banknotes as to sort out holes, tear, folded or tape, dog ears, stain, soils and other criterias.

MIB-11F is also capable of reading/decoding barcoded tickets and scan banknote serial numbers (optional).

DUAL Contact Image Sensor+IR
Red, Green, IR light source.
SUPER UV - Multi-Channel & Floresence

Fitness Mechanism
10 Channels
MR (Magneto-Resistive) sensor
18 Channels (left, Center, Right)

Various Counting Modes

- Mix
- Count
- Sort Single
- Face
- Fitness
- Orientation
- Issue
- Barcode Tickets
- S/N (Option)

MIB-3000 | Currency Sorter with 2-Pockets and 1 Reject Includes Denominating, Fitness & Ticket decoding

MIB-3000 is a 3-pockets Banknote Sorter from AMROTEC - one of the most accurate fitness sorter in the group, featuring enhanced and reliable authentication & fitness sorting ability. When sorting single, bills will overflow to next pocket when filled, so, MIB-3000 will never stop until bills are counted.

Built with wide-range of counterfeit detection capabilities, MIB-3000 stops counterfeits by using the most advanced counterfeit detection technology in the industry.

Three-pocket design assists user to process banknotes in the shortest time. Easy mode switching capability to fulfill various operational need of high-volume cash processing, it reduces workload with high speed & accuracy. Casino operators are able to process mixture of barcoded tickets with cash in one single-pass and sort them into separate pockets.

Supporting most major currencies worldwide, and various possibilities for connectivity, MIB-3000 is able to process many world-currencies in mixture and in one SINGLE-PASS.

Patented Rotatable Wheel

State of art engineering

MIB-5000 | Multi-Pocket Currency Sorter with 4 pockets +1 reject Sorting, Fitness, Barcode Ticket reading

MIB-5000 features several sophisticated sensors which deliver the ultimate performance with high accuracy under heavy-duty operation.

Each of the sensors are designed to detect differnt security features, ensuring all known suspect banknotes are detected.

(MIB-3000 includes the below specs as well)

Contact Image Sensor +IR
Red, Green, IR light source.
1584 dots for each scan.

Fitness Detector
10 channel sensors & mechanical mechanism

MR (Magneto-Resistive)
12 Channel of MR sensor (Left, center, right)

SUPER UV + Floresence
Multi-channel of UV & FL

Patented Rotatable Wheel

MIB-5000 is another revolutionary product from AMROTEC®- a powerful Currency sorter in it's impressive portfolio. MIB-5000 is a fixed pocket sorter having 4 main stackers and 1 reject, performing sorting, facing and orientation, Fitness, processing tickets and non-stop design with pocket over-flow capability. Also, able to process mixture of world-currencies in one Single-pass.

Counting speed at 800 NPM for Fitness detection, MIB-5000 is also able to sort at a higher speed of 1000 NPM for denomination sorting and bill recognition function on all discriminating modes. User also have 25 different configuration options to set various denomination sorting or fitness sorting criterias. Further, Patented rotable wheels at the bottom section makes the MIB-5000 having smaller foot-print desire by all segment of the market. Having user-friendly 5" capacitive touch screen (can be detachable), user can easily switch to various operation modes to achieve their desire outcome. MIB-5000 provides front and rear opening for easy jam-bill removal and various connectivity options facilitates connectivity to external PC software (developed by third party companies)

Various Sorting Modes and Features (includes all optional features)

- Count
- Mix
- Sort
- Issue
- Orientation
- Face
- Fitness
- S/N Scan
- TITO