CM Series Intelligent Banknote Sorting Machines
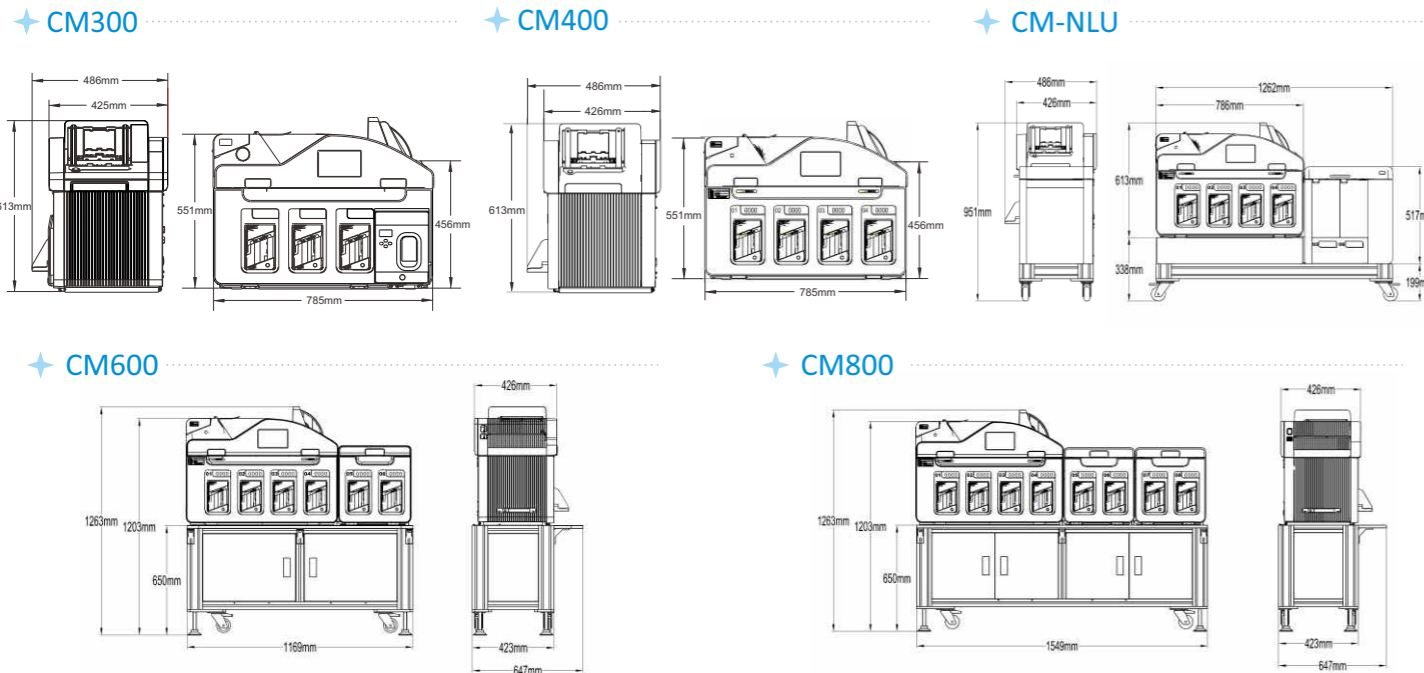
Specification

Items		CM300	CM400	CM-NLU	CM600	CM800
Speed	Sorting	720 notes/ min	720 notes/ min	720 notes/ min	720 notes/ min	720 notes/ min
	Counting	1,000 notes/ min	1,000 notes/ min	1,000 notes/ min	1,000 notes/ min	1,000 notes/ min
	Loading	/	/	720 notes/ min	/	/
Capacity	Hopper	1,000 notes; non-stop operation	1,000 notes; non-stop operation	1,000 notes; non-stop operation	1,000 notes; non-stop operation	1,000 notes; non-stop operation
	Stacker	500 notes * 3	500 notes * 4	500 notes * 4	500 notes * 6	500 notes * 8
	Reject Stacker	200 notes	200 notes	200 notes	200 notes	200 notes
Support Banknote size		Width: 60-90 mm Length: 120-180mm Thickness: 0.06-0.18mm	Width: 60-90 mm Length: 120-180mm Thickness: 0.06-0.18mm	Width: 60-90 mm Length: 120-180mm Thickness: 0.06-0.18mm	Width: 60-90 mm Length: 120-180mm Thickness: 0.06-0.18mm	Width: 60-90 mm Length: 120-180mm Thickness: 0.06-0.18mm
Support Multi-currencies		Yes	Yes	Yes	Yes	Yes
Connectivity		USB, LAN, RS-232	USB, LAN, RS-232	USB, LAN, RS-232	USB, LAN, RS-232	USB, LAN, RS-232
Power Supply		100～240V±10%, 50/60Hz	100～240V±10%, 50/60Hz	100～240V±10%, 50/60Hz	100～240V±10%, 50/60Hz	100～240V±10%, 50/60Hz
Power Consumption		50W (Idle); 200W(Operation)	50W (Idle); 200W(Operation)	60W (Idle); 260W(Operation)	82W (Idle); 300W(Operation)	82W (Idle); 300W(Operation)
Dimension		785mm x 613mm x 486mm (W*H*D)	785mm x 613mm x 486mm (W*H*D)	1260mm×938mm×486mm (W*H*D)	1169mm×1263mm×486mm (W*H*D)	1549mm×1263mm×486mm (W*H*D)
Weight		95Kg	86Kg	115Kg	125Kg	160Kg
Operation Environment		Temperature: 0°C～40°C Humidity: 20% ~ 90% RH(non-condensing)	Temperature: 0°C～40°C Humidity: 20% ~ 90% RH(non-condensing)	Temperature: 0°C～40°C Humidity: 20% ~ 90% RH(non-condensing)	Temperature: 0°C～40°C Humidity: 20% ~ 90% RH(non-condensing)	Temperature: 0°C～40°C Humidity: 20% ~ 90% RH(non-condensing)

Dimension

✦ CM300   ✦ CM400   ✦ CM-NLU

✦ CM600   ✦ CM800

GRGBanking Equipment Co., Ltd.
9,11 Kelin Road, Science City, High-tech Industrial Development Zone, Guangzhou, China 510663
Tel: +86-20-6287 8545
Fax: +86-20-6287 9976
E-mail: atm@grgbanking.com

Specifications are subject to update without prior notice.
Please consult GRGBanking or its representative for the latest information.

GRG Banking
We Move Faster

CM Series

Intelligent Banknote Sorting Machines

- Powerful & Easy-to-use
- Flexible Sorting Schemes
- Accurate Identification
- Integrate to Switch
- Reliable Quality & Durability
- Convenient Maintenance

GRG CM series is comprised of high performance banknote sorting machines with cutting-edge banknote detection technology to improve cash processing speed and accuracy. By utilizing CIS (Contact Image Sensor) and OCR (Optical Character Recognition) technology, image of both sides as well as serial number of the banknote can be captured and recorded.

The intelligent operating system ensures the system's scalability and 7-inch large LCD touch screen enhances user experience. Extendable configuration based on main cash sorting unit applies to various cash processing scenarios in cash center and branch back office.

Banknote Sorting Machine
CM400

An ideal cash counting and sorting solution for banks, retails and CITs.

Based on GRGBanking's 20 years experience in currency recognition and cash processing industry, CM400 is a 4 stackers sorting machine, with high processing speed of 720 notes/minute for sorting and 1,000 notes/minute for counting, which is able to provide reliable and efficient cash sorting service in cash center.

Precise Cash Processing

• Diversified banknote sorting schemes, enable more convenient, flexible and efficient cash processing management. Once the sorting criteria are set, the banknotes can be sorted accordingly.

- ✓ Fitness sorting
- ✓ Denomination sorting
- ✓ Orientation sorting
- ✓ Version sorting
- ✓ Customized sorting
- ✓ Value counting

• Professional and comprehensive banknote detection technology is able to detect soiled, stained, taped, torn and dog-eared notes. Customized currency recognition algorithm divides the banknote conditions into 10 different levels, which offers accurate criteria for banknote sorting.

Soiling　Hole　Adhesive tape　Missing part　Dog-ears

Stain　Tear

• Optional automatic serial number capturing at a speed of 12 notes/second, the serial number can be recorded and the both sides' image of each note can be kept in an optional image recorder. Users can check the banknote's serial number and image information.

• Innovative anti-static design effectively eliminates the static electricity on the banknote and therefore enables our unit to handle polymer note.

Optimum User Experience

• 7" LCD touch screen with clear operation prompts and user guides, improve the user experience.

• With operation hopper user can keep feeding the notes.

• The Android operating system ensures the scalability of CM400 for a better cash processing and management solution.

• High brightness digital display to indicate the number of banknote in the stacker.

• Non-stop operating stacker is able to automatically push out the sorted notes, release them on the note collection tray and carry on its operation without a stop.

• With USB RS-232 and LAN interface, CM400 is able to connect with external LCD, printer and PC for sorting report management.

USB, RS-232,LAN Interface　　Non-stop Operating Stacker　　Serial Number and Image Recording

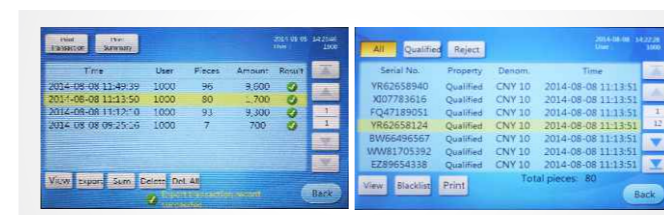Easy Maintenance　　Dust Collection Board　　7" LCD Touch Screen

Easy Maintenance

• Supports quick and easy access to the banknote transport to remove jammed notes and conduct cleaning.

• The dust generated during operation will be automatically collected into dust board to increase the uptime of the machine.

• Supports remote upgrade and diagnosis.

Sorting Report Management

• Customer can check the sorting report on the machine, such as the cash processing amount, denomination and fitness information, for rejected note, the machine is able to record and display the reason of rejecting.

• With instant sorting report printing function, a receipt can be printed for each sorting movement.

• The sorting report can be exported to external device such as USB disk, PC, as well as any other data storage device, for future analysis.

Security Feature

CM400 is configurable with GRG GSECOne security solution, which is a comprehensive and specific software for terminal security, to protect the system and files from software attack.

GSECOne

Features

★ Excellent feature in the industry ● Standard feature in the industry		
High processing speed		●
Accurate cash recognition	★	
7 inch touch screen	★	
Android operating system	★	
Non-stop operating hopper		●
Non-stop operating stacker	★	
Serial number reading	★	
Banknote Image recording	★	
External printer and screen		●
Cash sorting report management	★	
Remote monitoring and distribution	★	
Security Solution	★	

Banknote Sorting Solution for Cash Center

With successful experience of launching CM400, GRGBanking has further developed the state-of-the-art cash sorting and cassette auto-loading machine as well as 6 and 8 stackers' sorting machine. Based on the main cash sorting module of CM400, designed for large volume cash processing, the CM series is able to improve the cash processing efficiency and productivity in cash center with reliable performance.

CM-NLU
-Banknote Sorting and Cassette Auto-loading Machine

CM-NLU is a high efficiency banknote sorting and cassette auto-loading machine, which can automatically load the sorted fit notes into ATM cassette. It's specially designed for cash center, to improve the banknote sorting and cassette loading efficiency and therefore optimize the cash processing flow with higher security.

■ Banknote sorting
Based on all the same features of CM400, CM-NLU is able to sort the banknote via denomination, fitness, version and orientation at a speed of 720 notes/ minute.

■ Cassette loading
Configured with our cassette auto-loading unit, the machine can automatically load the fit notes into the cassette of cash recycler, including GRG, HITACHI and OKI, for ATM replenishment, thereby reducing the cost of manually loading.

CM600/CM800
-Banknote Sorting Machine for Cash Center

The CM600 and CM800 are designed for large volume cash processing in cash center of CIT company and bank. With reliable performance, advanced cash recognition technology and comprehensive management software, the machines are able to provide one-stop cash sorting automation solution to cash centers.