

OPERATION MANUAL

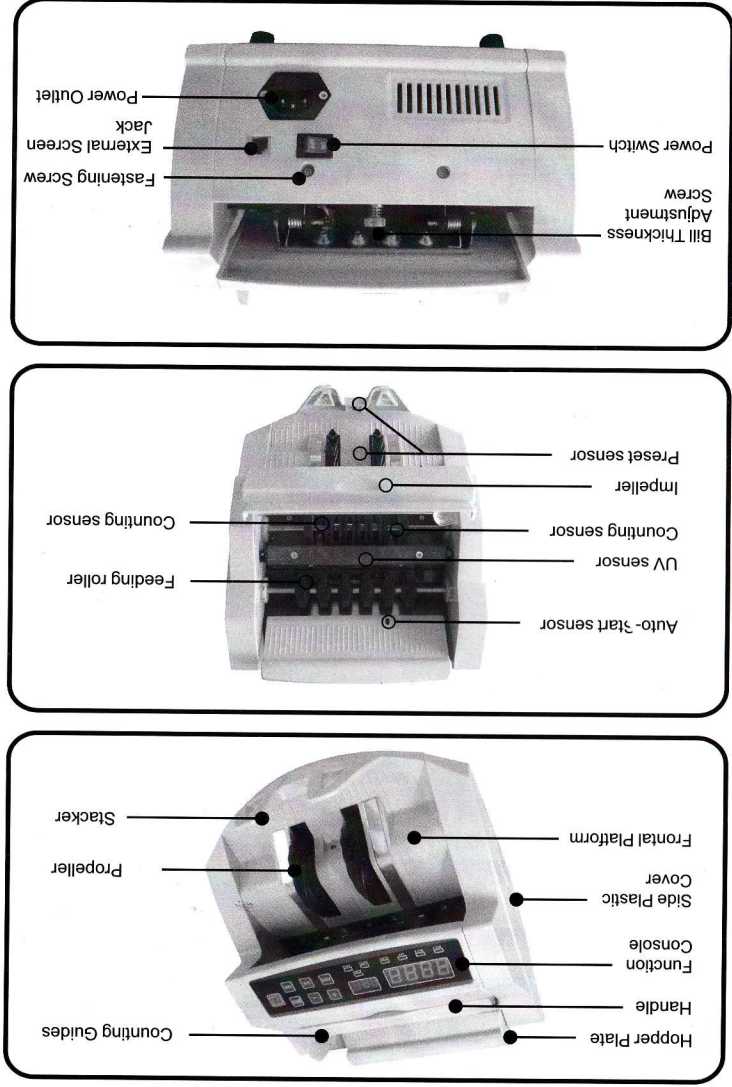


HIGH QUALITY AND LEADING ARTICLE IN THE
MONEY COUNTER WORLD

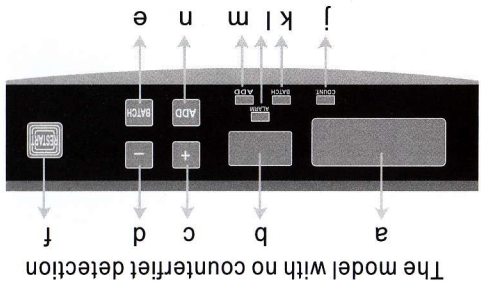
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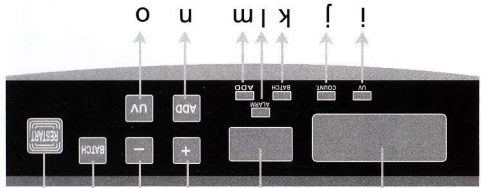
1. Illustration



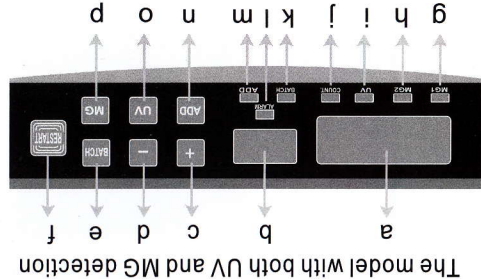
2. Function controls and display---before operation, please be clear which model you have bought



The model with no counterfeit detection



The model with UV detection



The model with both UV and MG detection

- a. Counting display
- b. BATCH display
- c. "+" button
- d. "-" button
- e. "BATCH" button
- f. "RESTART" button
- g. "MG1" indicator
- h. "MG2" indicator
- i. "UV" indicator
- j. "COUNT" indicator
- k. "BATCH" indicator
- l. "ALARM" indicator
- m. "ADD" indicator
- n. "ADD" button
- o. "UV" button
- p. "MG" button

3. General instruction

Being the latest generation of money counter, this model is the vanguard of our evolution in bill counting technology. Its compact and stylish design is as remarkable as its integrated electronics and multifunction capabilities. Different from other back-loading counter, it employs many new function improved in many aspects of internal structure which make it quite different from other counting machine, this hi-tech compact counting machine is easy to operate and repair. It is sturdy and utterly reliable and suitable for all kind of banking industry and store department.

We recommend the user to verify that the box contains all of the items listed here:

1. Machine body
2. Operation manual
3. Brush
4. Power cord
5. External display(option)

4. Safety instructions

-Read and understand all of the instructions and warnings both on the machine and in the manual.

-Follow all warnings and instructions marked on the unit.

-This product should be operated only from the type of the power source indicated in the user's guide. If you are not sure of the type of power supply in your location, consult your dealer or local power company.

-Only use the cable provided with the unit. The use of other cable may result in electric shock, fire or cause serious damage to the unit.

-Never push objects of any kind into the unit through case slots, since they may touch dangerous voltage points or shortcut parts, resulting in a risk of fire or electric shock.

-Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- a. When the power supply cord or plug is damaged or frayed.
- b. If liquid has been spilled into the unit.
- c. If unit has been exposed to rain or water.

if the machine has been dropped or the case has been damaged.
If the product shows a noticeable change in performance.
To reduce the risk of electric shock, do not disassemble this product. Take it to qualified service personnel when service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks.
Incorrect reassembly can cause electric shock when the appliance is subsequently used.
Do not use the unit if the power cord is damaged or if the plug socket contact is loose. Not following these instructions may result in electric shock, fire or other hazards.
When unplugging the power plug, do not pull it by the cord but rather grip the plug and pull it out, not following those instructions may result in electric shock, fire or damage to the unit.

5. Power up

Connect the power cord to the machine (power outlet), then plug into power source and switch the unit on. The unit will conduct a self-checking by spanning the feeding roller while the UV or MG1/UV functions will be automatically turned on by default. The counting display will show '0' when the unit is ready, which means the machine is in its normal working condition.

6. Counting function

1>Counting Function

Once the bills are correctly placed in the hopper, the machine will start counting automatically. The number of counted bills will be shown on the counting display. Moreover once the bills removed from the stacker and start to another batch counting, the counting display will start from 1 and the display in turn will show the number of last counted bills instead.
Bills need to be placed correctly as indicated in the following steps:
Place the bills between the counting guides as shown in figure 1 and figure 2. Swiftly, push the bills with a finger (see figure 3) to make them rest on the top of the hopper plate and in the correct counting position.

2>ADD Function

The Addition function can be performed by pressing the 'ADD' button. When the ADD indicator is on, in this case, removing the counted bills from the stacker and start another batch counting, the counting display will not show number from 1 and will be added to previous counted quantity. Press 'ADD' button again to close this function.

3>BATCH Function

The BATCH function can be performed by pressing "BATCH" button. When "BATCH" button is pressed, the "BATCH" indicator is on and the BATCH number will be set to 100. Press or hold the '+' or '-' button to increase or decrease the BATCH number one by one. You can stop pressing or holding button when the BATCH number reach your required number.

7. Counterfeit Detection

UV (Ultraviolet) detection function <available for the model with UV detection or the model with both UV and MG detections>
Used to check all kinds of banknotes which contains UV feature.

The UV function is automatically turned on by default when the machine is powered up. It can also be selected or deselected by pressing the UV button located in the function console. If the machine detects a counterfeit note during counting, it will stop and emit beeping sound, while the counting display will show the message 'E-2' and the 'ALARM' indicator will blink (alerting the presence of a dubious bill).
The dubious bill will always be the last one in the stacker.
Remove dubious bill and press 'RESTART' button to continue counting.

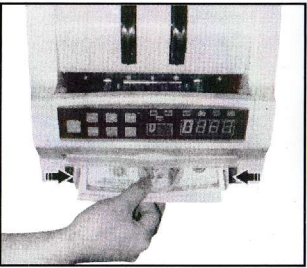


Figure 1

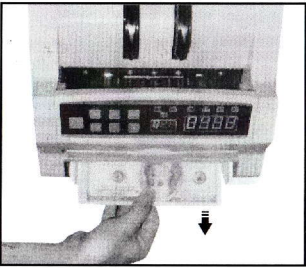


Figure 2

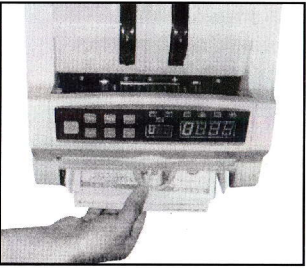


Figure 3

•MG (magnetic) detection function (available for the model with both MG and UV detection)

Used to check all kinds of banknotes which contains MG feature.

The MG 1 function is automatically turned on by default when the machine is powered up. It also can be selected or deselected by pressing the MG button located in the function console.

PLEASE NOTE: there are two levels of MG: MG1 and MG2. MG1 detect the banknote with low magnetism and MG2 detect the banknote with high magnetism. They can be selected and deselected by pressing MG button.

The MG1 is automatically activated by default when powered up. Pressing MG button one more time, will activate MG2 & MG2 indicator is on. Press MG button one more time to close MG function and COUNT indicator is on.

If the machine detects a counterfeit banknote during counting, it will stop counting and emit beeping sound, while the counting display will show the message 'E-3' and the 'ALARM' indicator will blink (alerting the presence of a dubious bill). The dubious bill will always be the last one in the stacker.

Remove the dubious bill and press 'RESTART' button to continue counting.

• Additional functions:

1>double notes detection (option):

When the machine starts up, which means the double notes detection function is activated. When a double-notes are detected, the machine will stop counting and emit beeping sound, meanwhile the display window will show "E-8" (alerting the user the presence of a double notes). Remove suspicious bill and press "RESTART" button to continue counting.

2>Size detection

When the machine starts up, which means the size detection function is activated. When a small size bill in the width is detected, the machine will stop counting and emit beeping sound, meanwhile the display window will show "E-5" (alerting the user the presence of a small size bill). Remove suspicious bill and press "RESTART" button to continue counting.

3> Half-note detection

When the machine starts up, which means the half-note detection can be activated. When the machine detects a half-note during counting, it will stop and emit beeping sound, meanwhile the display window will show "E-1" (alerting the user the presence of half-note). Remove the dubious bill and press "RESTART" button to continue counting.

Please note : the suspicious bill will be added to the counted quantity.

8. Error message and solution

The BATCH display may shows some error messages when counting, which means there are some problems with the machine or the presence of dubious bill. Refer to the following diagram to find way to solve it.

Message	Error	Solution
E-1	Half-note detected by half-note detection system; Problem in the half-note detection system.	Remove the suspicious bill in the stacker, press "RESTART" to continue.
E-2	Suspicious bill detected by UV system; Problem in the UV system.	Remove the suspicious bill in the stacker, press "RESTART" to continue; Lower the UV sensitivity.
E-3	Suspicious bill detected by MG system; Problem in the MG system.	Remove the suspicious bill in the stacker, press "RESTART" to continue; Lower the MG sensitivity.
E-4	Chain-note detected system; Problem in the IR system.	Remove the suspicious bill in the stacker, press "RESTART" to continue; Lower the IR sensitivity.
E-5	Note of size problem detected by size detection system; Problem in the size detection system.	Remove the suspicious bill in the stacker, press "RESTART" to continue; Lower the size detected sensitivity.
E-8	Double-note detected system; Problem in the IR system.	Remove the suspicious bill in the stacker, press "RESTART" to continue; Lower the IR sensitivity.
C-1	Problem with the stacker sensor.	Clean the sensor or replace it.
C-2	Problem with the disk sensor	Clean the sensor or replace it.

- Turn it right to decrease the thickness (see figure4)
- Turn it left to increase the thickness (see figure5)
- When improper feeding of bills occur, adjust the bill thickness in the hopper by turning the bill adjustment screw located in the back of the machine to ensure proper feeding.

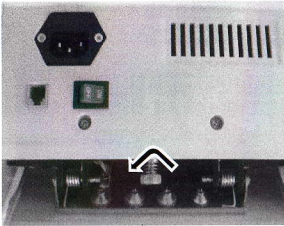


Figure 4

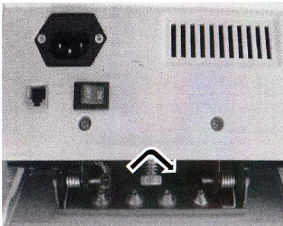


Figure 5

9. Hopper adjustment

Most of the above-mentioned problems may be caused by dust or dirt inside of the machine.
Keeping the machine clean is highly recommended.

Message	Error	Solution
C-3	Problem with the left counting sensor.	Clean the sensor or replace it.
C-4	Problem with the right counting sensor.	Clean the sensor or replace it.
C-5	Problem with UV sensor.	Check the connection.
C-6	Problem with the hopper sensor.	Clean the sensor or replace it.

10. Maintenance

11. Features

- ◆ Automatic detecting with UV (ultraviolet) and MG (magnetic) while counting
- ◆ Suitable for most currencies in the world
- ◆ Automatic start, stop and clearing
- ◆ With batching, adding and self-examination functions
- ◆ Automatic half-note detection

12. Specifications

- ◆ Counting Speed : ≥ 1000 pcs/min
- ◆ Size of Countable Note : 50mm x 10mm~90mm x 185mm
- ◆ Dimensions : 295mm x 247 x 185mm
- ◆ Net Weight: 5.7 kg
- ◆ Size of Carton : 320mm x 288mm x 205mm <1pc>
- ◆ Gross Weight: 14kgs <2pcs>
- ◆ Power Consumption: AC220V $\pm 10\%$ 50Hz AC110V $\pm 10\%$ 60Hz
- ◆ Power Consumption: ≤ 80 W
- ◆ Hopper Capacity: ≥ 130 pcs
- ◆ Stacker Capacity: ≥ 130 pcs