

High Speed Coin Counter With Automatic Hopper



Operation Instructions

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Introduction

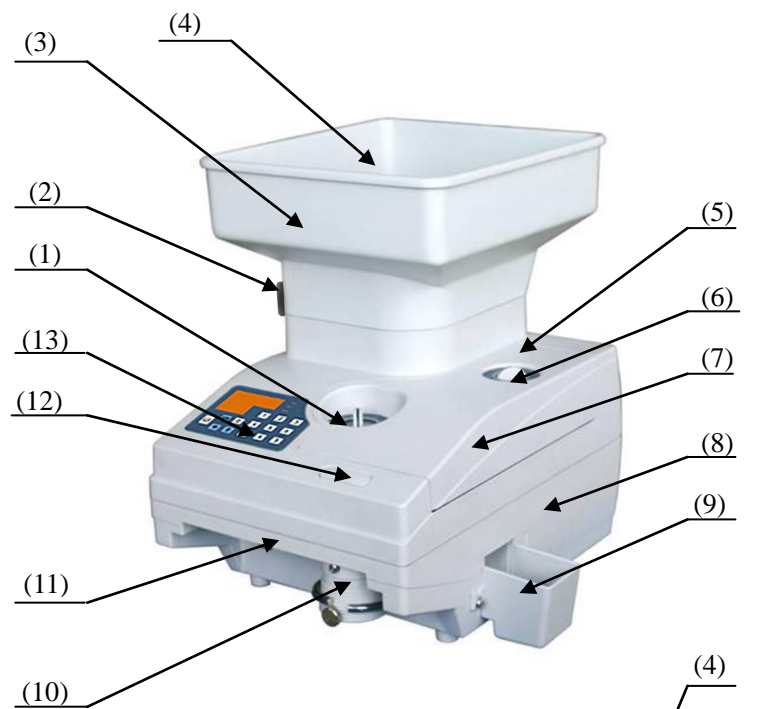
The coin counter is a heavy duty, high speed coin counting machine with big capacity hopper. It has the characteristics of fine appearance, convenient operation, steady performance, fast counting speed and high accuracy. It is suitable for all kinds of coins with round shape, including plastic coins used in underground stations.

Before operating and maintaining the machine, please read this manual carefully. Do not operate the machine until you understand the contents of this document.

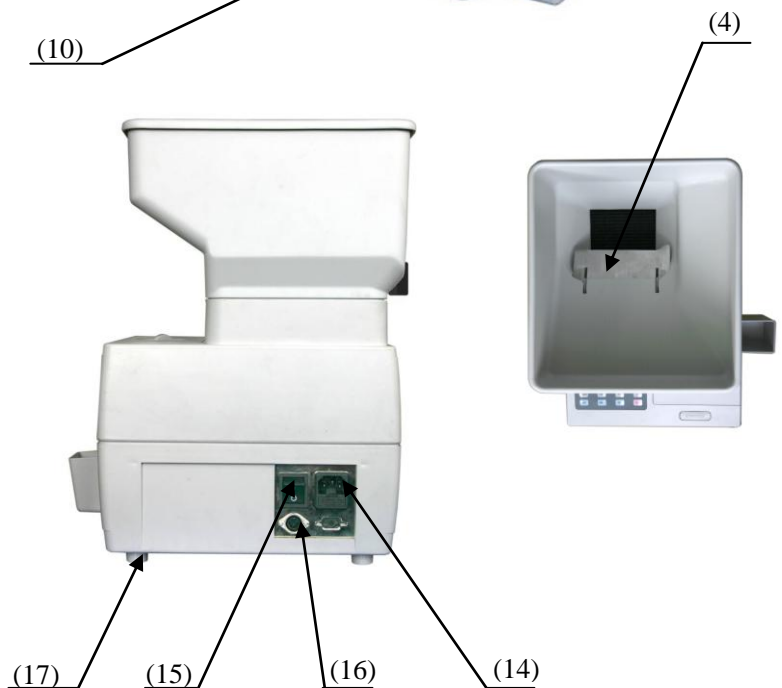
Should you have any questions, please contact local distributor or sales agent for further advice.

Whole Machine Figure

1. Diameter Adjusting Knob
2. Coin Quantity Adjusting Knob
3. Big Capacity Hopper
4. Coin Quantity Adjusting Gate
5. Upper Cover
6. Thickness Adjusting Knob
7. Side Cover
8. Bottom Cover
9. Reject Coin Box
10. Coin Outlet
11. Upper Cover Release Bar
12. START/STOP Key
13. Operation Panel



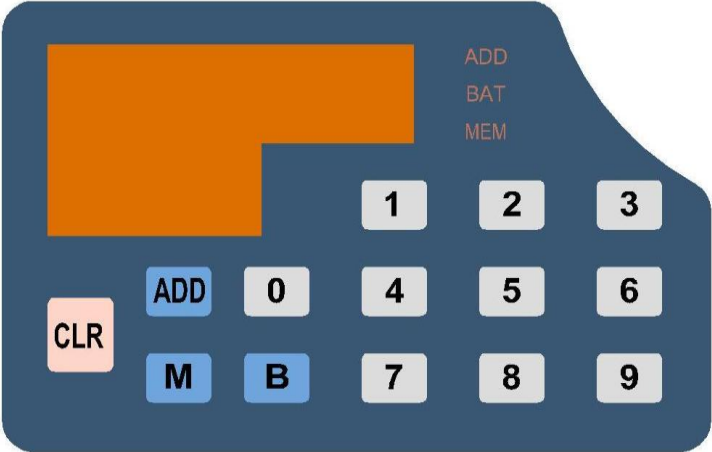
14. Power Socket
15. Power Switch
16. Remote Display Socket
17. Rubber Washer



Technical Specifications

Counting Speed	1800 Coins/Min. (for coins with a diameter of 25mm and thickness of 2mm)
Hopper Capacity	4000 coins (for coins diameter of 25 mm and thickness of 2 mm.)
Countable Coin Size	Thickness:0.8 to 3.8mm Diameter :14 to 34 mm (Adjust coin qty. adjusting gate to minimum for diameter <24mm; to middle for diameter 24~25mm; to maximum for diameter >25mm)
Max. Counting Display	9999999(Counting Display) 9999(Batch Display)
Counting Mode	Continuous Counting Mode Batch Counting Mode: 1-9999 Accumulation Counting Mode
Power Consumption	85 W (During operation)
Power Requirements	AC 120V ± 10%, 60Hz or AC 220V ± 10%, 50Hz
Dimension	296 (w) x 373 (d) x 390(h) mm
Net Weight	13.6kg
Environment For Storage	-30° C — +80° C
Environment For Use	0° C — +40° C

Key Panel



Key	Function Description
ADD	Press this key for selecting accumulation counting mode
B	Press this key for selecting the default batch number.
M	Press this key for adding the present count number into memory.
0 1 2 3 4 5 6 7 8 9	Press this key for inputting the desired batch number
CLR	Press this key to clear the present counting number.

Precautions

- Do not use this machine under the following circumstance:
 - On the slope or stairs
 - Direct sunshine
 - Much dust
 - Near water
 - Where may cause the machine to shiver
 - Near dangerous goods
- Before putting the coins into the Hopper, please remove all paper scraps, lint, rubber bands, etc., which may be mixed with the coins.
- Do not open the Top Cover when the machine is working or coins are in the Hopper.
- When using a bag to collect coins, please place the bottom of the coin bag on the floor, or on a stand, to prevent the machine from tipping over.

Warning



The coin quantity-adjusting knob has three levels: maximum, middle and minimum. When counting coins with diameter larger than 25mm, turn the knob to maximum level. When counting coins with diameter among 24~25mm, the adjusting knob must be turned to

middle level. When counting the coins with diameter less than 24mm, the adjusting knob must be turned to minimum level. After counting the coins of the same denomination, it is better to turn the knob to minimum level in case the coins get jammed in the next counting round.

Operation Procedures

Step 1. Install the Big Capacity Hopper as indicated in the right diagram. (Push the big capacity hopper into the upper cover with the two hooks inserted into the two holes on the bottom edge of hopper).

Notes: Before counting coins, the Big Capacity Hopper must be installed.



Step 2. Turn on the Power Switch as indicated in the right diagram. The display board will show in the first row and in the second row. The indicating lamp of "ADD" will be on to suggest that the machine is in Accumulation Counting Mode.

If you do not want to count coins under this mode, press "ADD" to escape and the indicating lamp will be off.



Step 3. Set the Coin Diameter Adjusting Knob to the desired denomination according to the diameter of the coin in millimeters.



Step 4. Set the Coin Thickness Adjusting Knob

to the desired denomination according to the thickness of the coin in millimeters.



Step 5. Fix a coin bag, or a coin tube onto the coin

outlet Attachment. When you use coin bag, please place the bottom of the coin bag on the floor, or on a stand to prevent the machine from tipping over.

Install the Coin Reject Box onto the side of the machine. If there are a lot of small coins mixed ,

please Install the Reject Coin Bag Attachment onto the Reject outlet, then hang the coin bag on it.



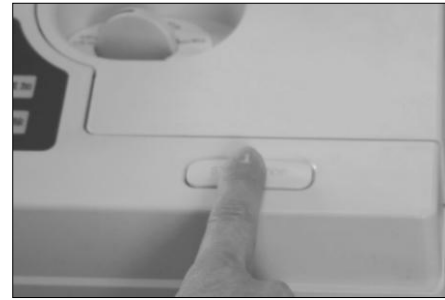
Step 6. Adjust the Coin Quantity Adjusting Gate according

to the diameter of the coins. (When the diameter is < 24mm, adjust it to minimum level; When the diameter is among 24~25mm, adjust it to middle level; When the diameter is > 25mm, adjust it to maximum level.)

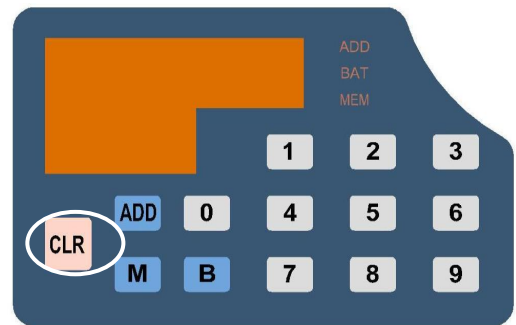


Step 7. Put the coins into the Big Capacity Hopper and press **START/STOP** key to start counting with quantity displayed on the upper LED line. When counting finished or the count total reaches the batch quantity, the machine will stop automatically.

Step 8. If the present counting should be stopped halfway, press **START/STOP** key, the counting will stop. With **START/STOP** key pressed again, the machine will restart.

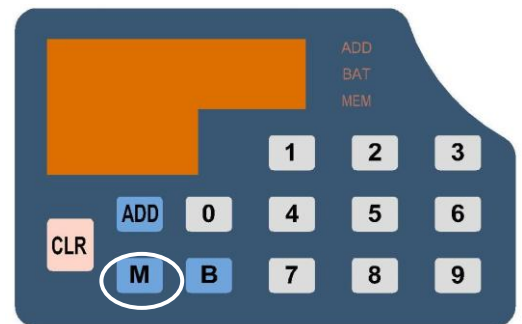


Step 9. When counting is finished, press **CLR** key to clear the display, The count display will revert to “0”.



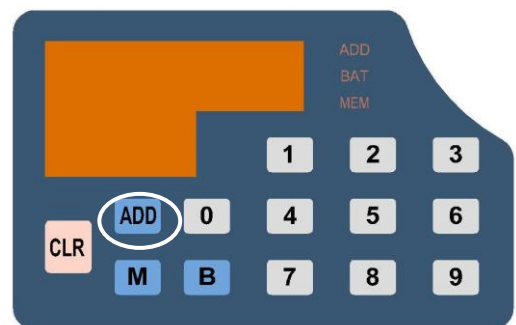
Notes: After the counting is completed, please adjust the Coin Quantity Adjusting Gate to minimum Level.

Step 10. After counting is completed, if the counting number on the display should be reserved in memory, press the **M** key to reserve and the upper LED display will show “0” at the same time; Press and hold this key for five seconds and the display will show the total count stored in memory and clear this data at the same time. The indicator on the right of **M** is on when there are data memory. Press **M** to add the current count with previous stored data.



Accumulation Mode :

Press the **ADD** key to select the accumulation mode “on” or “off”. In accumulation counting mode, the “ADD” indicator on the right side of the display will be on and the counting will be accumulated from the previous number on the display.

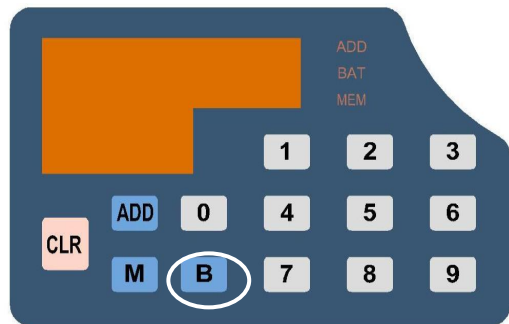


Batch Mode :

Press the **B** key, the LED indicator of the Batch Mode will be on. The default batch quantities are: 20, 25, 40, 50, 100, 200, 500, 1000, 5000. The batch quantities can be changed by pressing this key.

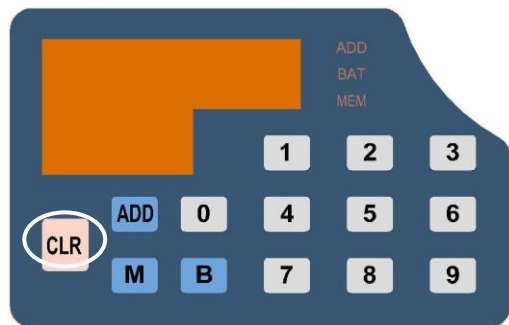
Press any numeric key (the “B” indicator on the right side of the display will be on) to input your desired / random number as your desired batch number, You can also press the numeric key 0-9 to achieve the desired Batch No.

then press **Start/Stop** Key, you can count according to your desired batch number.



Procedures for Exit of Batch Counting Mode

Exit: By pressing **CLR** key with lower LED displayed **---** in batch counting mode.



Mixed Small Coins Rejecting

Before putting the coins into the Hopper, please remove all paper scraps, lint, rubber bands, etc., which may be mixed with the coins. Foreign objects may cause jamming or faulty counting.

- (1) Set the Coin Diameter Adjusting Knob and the Coin Thickness Adjusting Knob according to the size of the coins to be counted.



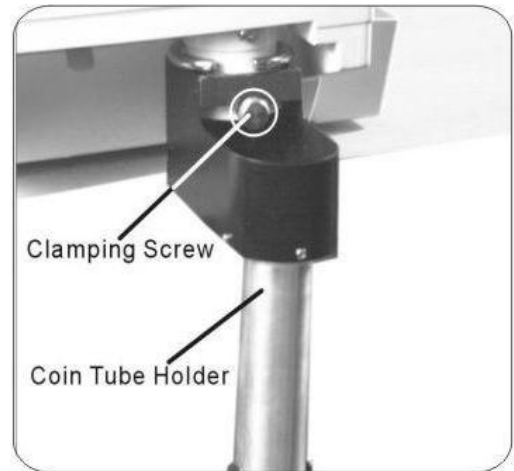
(2) Fix the coin bag onto coin outlet. Fix reject coin bag attachment or box onto the side rejected coin outlet. Ensure the machine is steady.



(3) Put the mixed coins into the Hopper and press the **START/STOP** key to start the counting. After the machine completes counting all the small coins will be rejected into the Reject Coin Box or the Reject Coin bag. Then put all the rejected coins into hopper, adjust the diameter adjusting knob and thickness adjusting knob based on the biggest coin, and count them again to seek out coins with another diameter. The rest can be done with same manner until all coins are sorted out.

Set up the Coin Tube Holder (option)

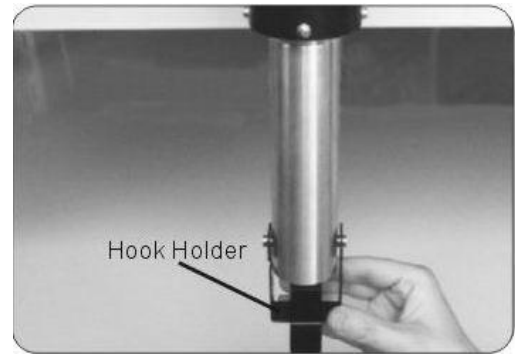
- Unscrew the clamping screw as right diagram.



- Install the Coin Tube Holder as the right diagram. Then fasten the clamping screw to lock the Tube Holder.



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- Install the Hook Holder on the Coin Tube Holder as right diagram.



- According to the denomination of the coin you will counted, Select the Coin Interior Tube and Paper Tube. Drop the Coin Interior Tube down into the Tube Holder.



- Put the Paper Tube into the Coin interior Tube and the Paper Tube will be held by the Hook Holder



- According to the coin quantity of each paper tube, set the batch number (in batch counting mode), then start counting. The machine will stop when the count total reaches the batch quantity. All the counted coins will drop into the Paper Tube, push the Hook Holder backward, take out the Paper Tube with all counted coins inside, then seal the open side of the paper tube manually.



Memory Backup Function (option)

This function enables users to get back the last counting result if power is cut off suddenly:

During the counting, if the power is cut off suddenly, after re-connecting the power, and switch on the machine, the quantity of last counting will be showed on the LED.

Troubleshooting

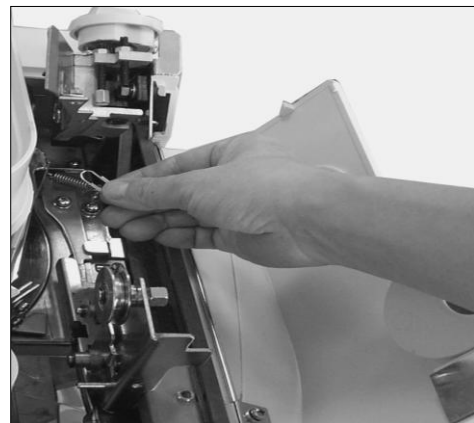
●Coin Runway Jamming:

When coins are jammed in the coin runway of the machine, rotate the diameter knob counter-clockwise to release the left guide plate. The jammed coin will fall into the Rejected Coin Box, and then you can re-adjust the diameter knob again.

●Centrifugal Disc Jamming:

If foreign objects are mixed with coin in the Hopper, jamming may occur between the Centrifugal Disc and the Coin Guide Plate.

Open the Side Cover. Then, pull up the Front Feed Pulley Arm and push & pull the Lock Plate upward to remove the foreign objects.



●The LED display “JA”:

If the counting sensor is covered by dust, the LED will display “JA”, please remove the V-Belt, clean the counting sensor using a cotton stick with denatured alcohol.



NOTE: If small coins with diameter less than 24mm were accidentally put into the capacity hopper with coin quantity adjusting gate is on maximum level, too many small coins will flow into centrifugal disc. The machine cannot be turned on at this time.

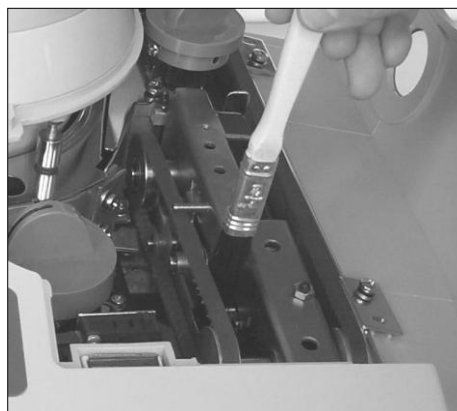
First you should take out all the small coins in the capacity hopper, open the upper cover to clear coins

on the conveyor, and at last open conveyor assembly to clear coins in the centrifugal disc. Before the cleaning work was finished, the thickness adjusting assembly cannot be opened.



Daily Maintenance

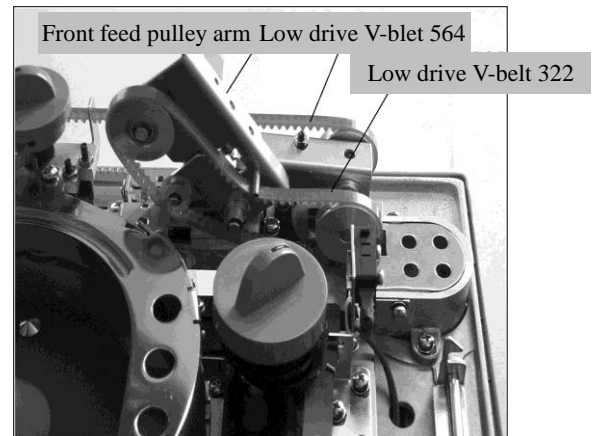
- Be sure to turn the main power off before attempting daily maintenance.
- Clean the coin runway at least once a day with a brush.
- Check whether the feed belt is dirty or worn.
If it is dirty, clean it using a piece of soft cloth saturated with denatured alcohol. If it is worn, replace it with a new belt.



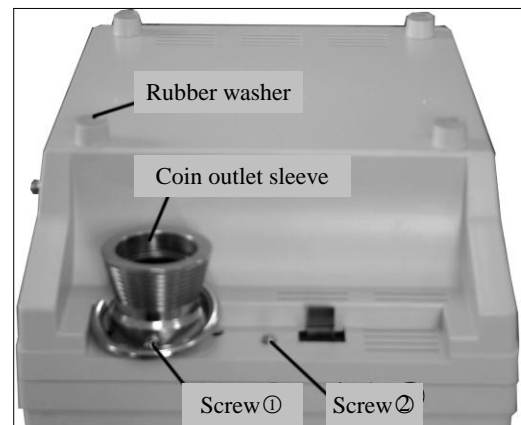
● If the machine requires service or additional repair parts, please contact your local distributor.

How to replace the V-belt

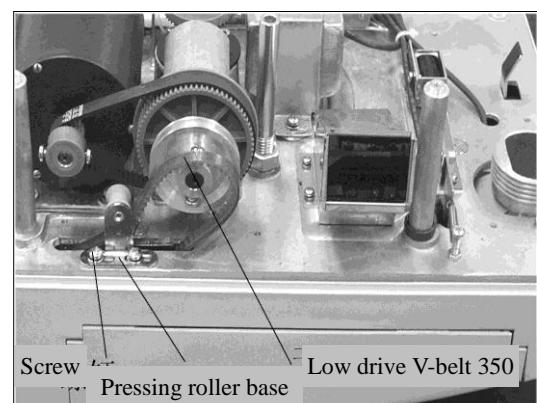
(1) Open the upper cover, pull the Front Feed Pulley Arm upward, then remove the V-Belt 322 and V-belt 564 from the machine, then, put on a new V-Belt on the Pulleys.



(2) Remove the Rubber Washer on the Plastic Pedal; unscrew the four screws in the Plastic Pedal. Unscrew the screw 1 and screw 2, rotate the Coin outlet Chute, then you can screw off it from the machine. Pull the Bottom Cover upward; remove the Bottom Cover from the machine.



(3) Remove the V-belt 350 and fix a new belt on the pulley, the tension can be adjusted by adjusting the position of the Pressing roller Base.



How to remove the big capacity hopper

When the machine is to be moved for operation in other places, the big capacity hopper must be removed prior to packed. The method is as following:

Open the side cover and upper cover. Touch the extruded part of the upper cover with left index finger and middle finger with left thumb on the outside surface to push outward, while touch the surface of the big capacity hopper above the left thumb with right thumb to push inward and upward (refer to right figure). Then the big capacity hopper can be removed.



NOTE: Don't overexert, lest the big capacity hopper falling off and being damaged.

*** In the interests of our policy of continual product improvement, specifications are subject to change without notice ***