



**High Speed Coin Counter**  
**Operation Instructions**

# Content

|                                       |           |
|---------------------------------------|-----------|
| <b>1. Introduction</b>                | <b>3</b>  |
| <b>2. Technical Specifications</b>    | <b>4</b>  |
| <b>3. Key Panel</b>                   | <b>4</b>  |
| <b>4. Precautions</b>                 | <b>5</b>  |
| <b>5. Operation Procedures</b>        | <b>5</b>  |
| <b>6. Reject small coins mixed</b>    | <b>8</b>  |
| <b>7. Set up the Coin Tube Holder</b> | <b>9</b>  |
| <b>8. Troubleshooting</b>             | <b>10</b> |
| <b>9. Daily Maintenance</b>           | <b>11</b> |
| <b>10. How to Replace the V-Belt</b>  | <b>12</b> |

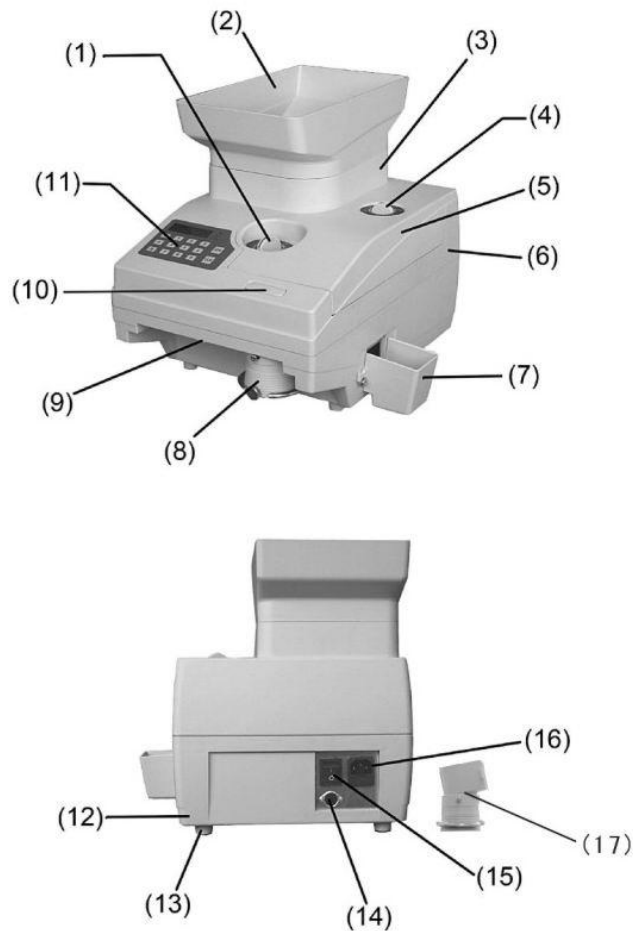
## Introduction

The coin counter is a heavy duty, high speed coin counting machine. Before operating 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.

## General Information

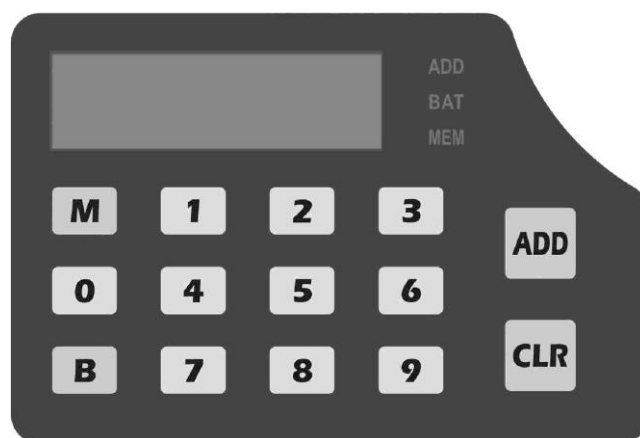
1. Diameter Adjusting Knob
2. Extender Hopper
3. Hopper
4. Thickness Adjusting Knob
5. Side Cover
6. Upper Cover
7. Rejected Coin Box
8. Coin Outlet
9. Upper Cover Release Bar
10. START/STOP key
11. Operation Panel
12. Bottom Cover
13. Rubber Washer
14. Remote Display Socket
15. Power Switch
16. Power Socket
17. Reject Coin Bag Attachment



## Technical Specifications

|                                  |  |
|----------------------------------|--|
| <b>Counting Speed</b> .....      | 2300 Coins/Min.(for coins with a diameter of 15 mm or .5906 inches)  |
| <b>Hopper Capacity</b> .....     | 3600 coins (without the hopper extender installed for coins diameter of 15 mm and thickness of 1.1 mm.)<br>12000 coins (with the hopper extender installed for coins diameter of 15 mm and thickness of 1.1 mm.) |
| <b>Countable Coin Size</b> ..... | Thickness:0.7 to 3.9 mm (.0275 to .154 inches)<br>Diameter :14 to 34 mm (.55 to 1.33 inches)   |
| <b>Max. Counting Display</b> ... | 9999999  |
| <b>Counting Mode</b> .....       | Continuous Counting Mode<br>Batch Counting Mode<br>Accumulation Counting Mode  |
| <b>Power Consumption</b> ....    | 70 W (During operation)  |
| <b>Power Requirements</b> ....   | AC 120V $\pm$ 10%, 60Hz<br>or AC 220V $\pm$ 10%, 50Hz  |
| <b>Dimension</b> .....           | 270 (w) x 362 (d) x 240 (h) mm<br>10.63 (w) x 14.25 (d) x 9.45 (h) inches  |
| <b>Net Weight</b> .....          | 11 kg or 24.2 lbs  |

## Key Panel



## Key Function

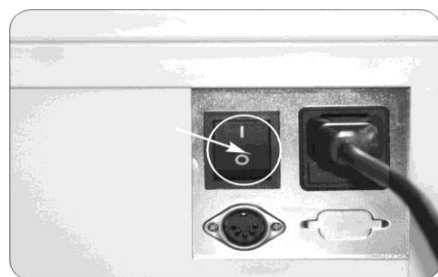
| Key                | Function Description   |
|--------------------|--|
| <b>NUMERIC KEY</b> | Press the ten numeric key for inputting the desired batch number.  |
| <b>B</b>           | Press this key for selecting the default batch number.   |
| <b>M</b>           | Press this key for adding the present count number into memory. Press and hold this key for five seconds, the display will show the count number in the memory and clear the memory. |
| <b>ADD</b>         | Press this key for selecting the Accumulation Mode on or off. In the Accumulation Counting Mode, the “ADD” indicator on the right side of the display will be on.                    |
| <b>CLR</b>         | Press this key to clear the present counting number.   |

## Precautions

- 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.
- Do not open the Top Cover when 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.

## Operation Procedures

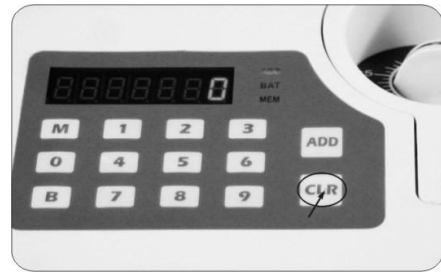
- If you have a large quantity of coins to be counted, install the Extended Hopper (supplied) as right diagram.
- If you don't need the Extended Hopper, you can push the point on the Extended Hopper as right diagram to release the plastic hook, meanwhile, pull upward the Extended Hopper.
- Turn on the power switch, the display will show "0", the machine is ready to start counting.
- Set the Coin Diameter Adjusting Knob to the desired denomination according to the diameter of the coin in millimeters.



- Set the Coin Thickness Adjusting Knob to the desired denomination according to the thickness of the coin in millimeters.
- 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.
- Put the coins into the Hopper and press **START/STOP** key. Counting will begin.  
The machine will stop automatically reverse for 1 second and continue counting in following conditions:  
There are objects jamming in the passage which caused the counting sensor not to find any coin in 3 seconds;  
All the coins in Hopper are counted out and caused the counting sensor not to find any coin in 3 seconds;  
After reverse, the machine will continue counting again, if the counting sensor can not find any coin in 3 seconds again, the machine will reverse and stop automatically;  
When the count total reaches the batch quantity, the machine will stop immediately.
- 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. The previous counts are retained and new count will be added to them.



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



- After counting is completed, if the counting number on the display should be reserved in memory, press the **M** key; Press and hold this key for five seconds and the display will show the total count stored in memory .



## Accumulation Mode :

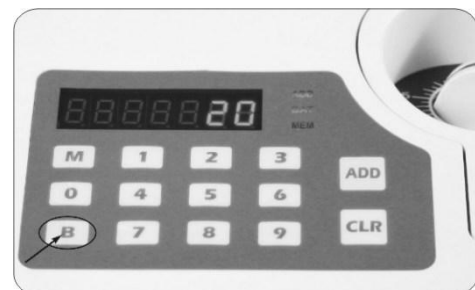
- Press the **ADD** key to select the accumulation mode “on” or “off”. In accumulation counting mode, the “ADD” indicator on the right side of the display will be on and the counting will be accumulated from the previous number on the display.



## Batch Mode :

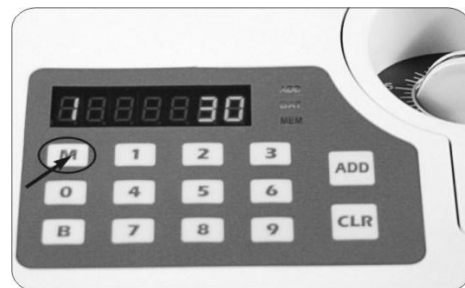
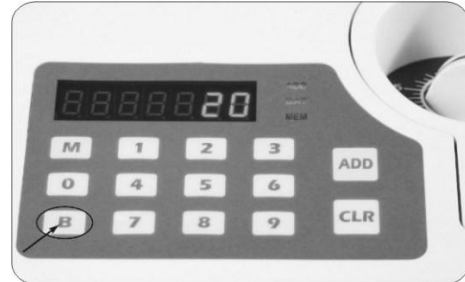
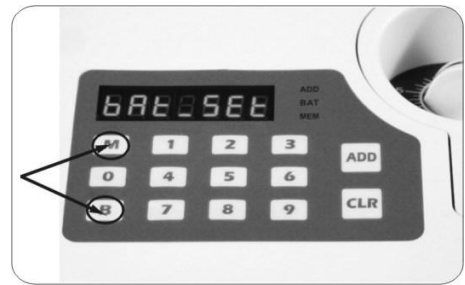
**First way:** Press any numeric key (the “BAT” indicator on the right side of the display will be on) to input your desired / random number as your desired batch number, then press **Start/Stop** Key, you can count according to your desired batch number. By pressing **CLR** key, the displayed batch can be cleared and the machine exit the Batch Counting Mode and back to the Continuous Counting Mode.

**Second way:** 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, 0. By pressing “ 0 ” key, the displayed batch can be cleared and the machine exit the Batch Counting Mode and back to the Continuous Counting Mode.



The default batch quantities can be changed as following steps:

- Press both **B** key and **M** key, then turn on the power, the machine will enter into the “batch changing mode” and the display show “bAt-SEt”;
- Press **B** key to select the default memorized default batch quantities which you want to change;
- Change the selected default batch quantities by pressing any numeric key; Save the amended default batch quantities in the memory by pressing **M** key, the previous default batch quantities will be replaced;
- Turn off the power and turn on again, check if the default batch quantities have been changed correctly.



## Reject small coins mixed

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.

- Set the Coin Diameter Adjusting Knob and the Coin Thickness Adjusting Knob according to the size of the coins to be counted.
- If a few small coins are mixed with the coins, install the Coin Reject Box onto the side of the machine.





- If the Coin Reject Box can not afford the quantity of rejected small coins, you can install the Coin Reject Coin Bag Attachment onto the side of the machine, then install the Coin bag on it.



- Put the 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 Coin Reject Box or the Reject Coin bag.

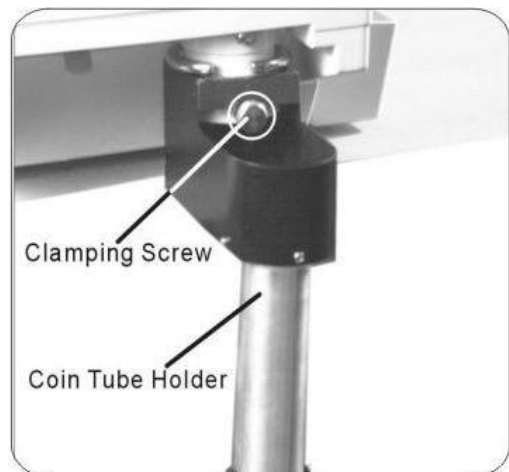


- If there are bigger coins mixed with coins to be counted, the bigger coins possibly jam in the inlet of the coin passage and cause the reverse or abnormal stop, in that case, take out the jammed bigger coin manually, and continue counting.

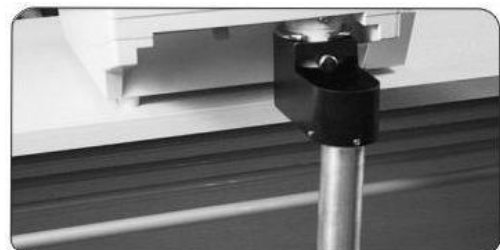
If there are too many bigger coins mixed, set the Thickness Adjusting Knob and Diameter Adjusting Knob according to the bigger coins, and count the bigger coins first.

## Set up the Coin Tube Holder (option)

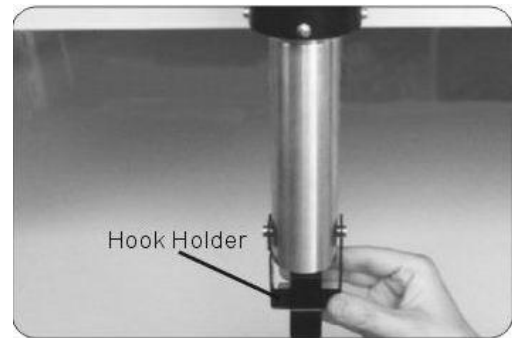
- Unscrew the clamping screw as right diagram.



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



- 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.



## 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.



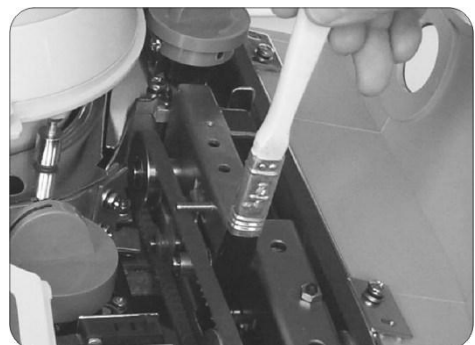
## The LED display “JA”:

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.



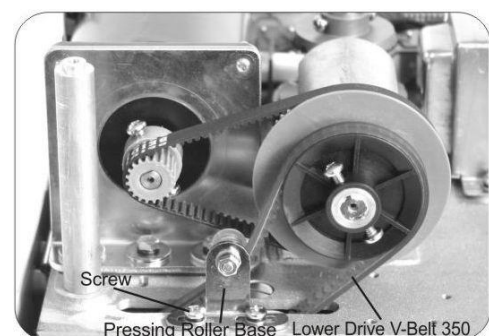
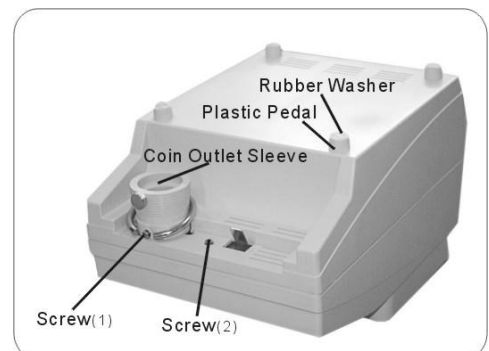
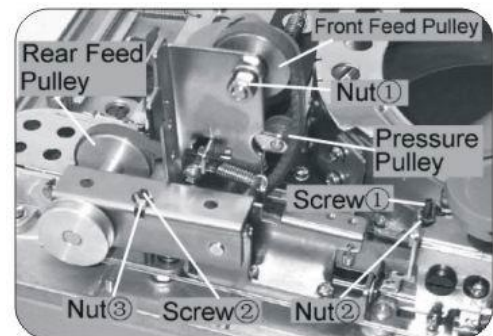
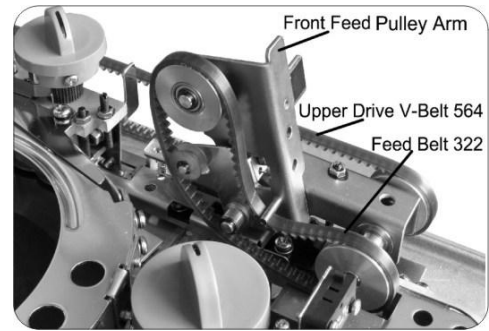
## Daily Maintenance

- Be sure to turn the main power off before attempting daily maintenance.
- Clean the coin runway and the counting sensor 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

- 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.
- The tension of the Feed Belt can be adjusted by adjusting the position of the nut①.
- The height of the Front Feed Pulley can be adjusted by adjusting the position of screw①.
- The height of the Rear Feed Pulley can be adjusted by adjusting the position of the screw②.
- Then tighten the nut①, nut② & nut③.
- 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.
- Remove the V-belt 350 and fix a new belt on the pulley, the tension can be adjusted by adjusting the position of the Pressure Roller Base.



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