

COIN SORTER

CS-600B



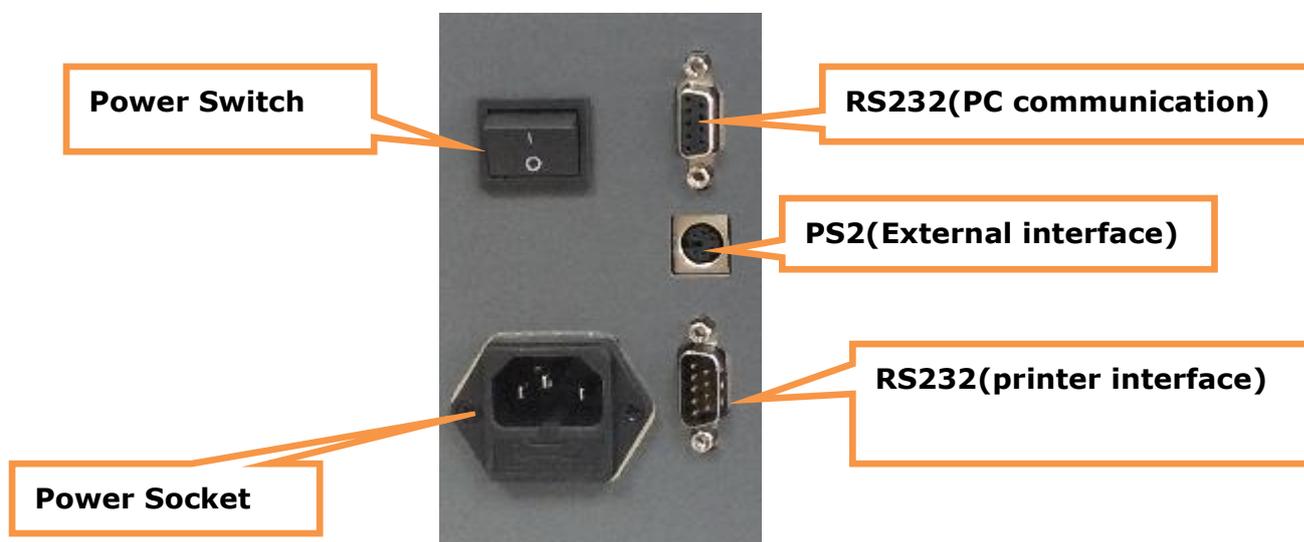
OPERATION MANUAL

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Introduction

CS-600B is the coin sorter with accurate batch function designed and produced by our company. We adopt high speed, low noise and high resolution CCD image sensor, ensure to separate different denomination coins with 0.2mm diameter difference(without wearing) which ensures more accurate sorting of the coins. CS-600B can sort 6 kinds of coins at the same time. The printer, external display or computer can be connected through RS-232 socket, all data can be printed out at any time.



Specifications

Sorting speed	approx. 600coins/ min
Hopper capacity	approx.600pcs
Coin denomination	diameter 14-33mm
Coin thickness	1-4mm
Sorting number	1-5 different coins
Dimension	510×280×320mm
Weight:	16Kg
Power Consumption	45W
Power Supply	AC 120V ± 10%, 60Hz or AC 220V ± 10%, 50Hz
Display	8 Digits LCD Display
Ambient Temperature	0-40C°
Humidity	30-75%

Key Panel



Key Function:

- 1) **START/STOP**: Start and Stop
- 2) **HOME**: Back to main interface
- 3) **↑** and **↓**: Select the list of different Channels / memory units
- 4) **CLR**: Clear
- 5) **SET**: Debug reserve key
- 6) **VALUE/COUNT**: To switch the display mode between quantity and amount
- 7) **BAT**: Batch setting
- 8) **MT**: Memory
- 9) **MR**: Memory Reading
- 10) **M+**: Accumulate the current counted number with previous data and save

11) : Print the list of quantity、 value of coins

12) , , , : Numeric keys

Display modes:

1) Amount display : , with decimal point;

2) Quantity display: , no decimal point;

3) Total display: , No Channel number;

4) Single Channel display: , With Channel number"1-".

Precautions

- Use the power cable and communication cable supplied with this machine.
- Unplug the machine before moving it.
- Avoid operation under direct sunlight.
- Do not place your head, hand, tools and clothes near the hopper to avoid injury and malfunction of the machine.
- Don't open the cover during operation.

Operating Procedures

- Turn on the power switch, the display shows the amount as right picture, with decimal point.

- Press **START/STOP** to start, the machine automatically enters into amount display mode, with decimal point. After start, the motor rotates and counting starts.



- In Single channel modes, press 、 key to select different channels. In Amount display modes, 、 keys are void.



- In single channel modes, press **START/STOP** key to return to quantity display and motor rotates and starts to count.

- Press VAL key to switch between amount and quantity.



Data clearance:

- In single channel modes, press **CLR** to clear the data of this channel only;
- In total mode, press **CLR** key to clear all the data



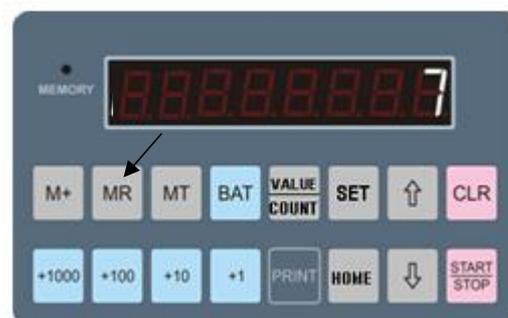
Data save:

- Press **MT** key to save the data and the indicating lamp is on
- If the indicating lamp is ON, it means the channel is with data saved inside;
- In single channel modes, press **MT** to save the data of this channel only;
- In total mode, press **MT** to save the data of all the channels.



Read the memory data:

- In single channel modes, press **MR** to read out this channel only;
- In total mode, press **MR** to read the total.

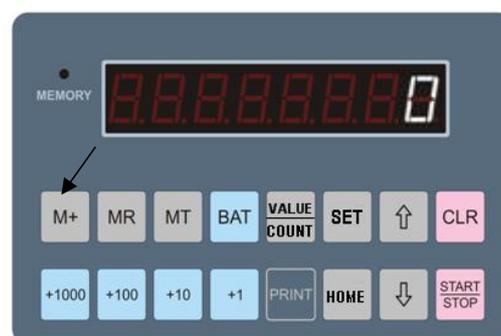


Memory Clearance:

- First press **CLR** key to clear the current data;
- Then press **MT** to clear data. After data is removed, the indicating lamp will be OFF.

Accumulation saving:

- Press **M+** key to accumulate the current data with the previously counted data, then save it and the



display is zero.

Similar to data saving procedure:

- In single channel modes, accumulate only the data of this channel;

- In total mode, accumulate the data in all the channels.

Batch setting:

- Press **BAT** key to enter into batch setting mode.



Note : 1)After you set the each channel's batch number, when the machine reaches the batch number, the motor will stop and the display will show which channel has reached the batch number, same as the right picture. It blinks to display the first channel that has reached the batch number, if the blinking still goes on, it means other channel may also have reached the batch number. After noting down, press **START/STOP** Key, it displays the next channel that reaches. When there is no other channel reaches the batch quantity, it will display normally. Press **START/STOP** Key, the machine starts to work again.



2)As it is a rail sorter, when batch number is reached, the motor will stop, but there are still some coins in the passage, and these coins finally roll into the drawer. The machine will display the actually

counted number.

Batch setting procedure:

·Press **CLR** to clear to Zero;

·**+1000**、**+100**、**+10**、**+1** keys are for batch number setting:

①**+1000** is 1000, **+100** is 100, **+10** is 10, **+1** is 1;

②One press increase the digit by 1. e.g. press **+1** key once is 1, double press is 2;

·Press **↑** and **↓** to switch channels.

After setting is OK, exit as follows;

·Press **BAT** key to exit and enter into total quantity display mode;

·Press **START/STOP** key to exit and enter into standard mode.

Value setting:

·Keep pressing **VAL** key and turn on the power to enter into value setting mode.



·Press **CLR** key to clear to Zero;

·**+1000**、**+100**、**+10**、**+1** keys are for value setting:

①**+1000** is 10, **+100** is 1, **+10** is 0.1, **+1** is 0.01;

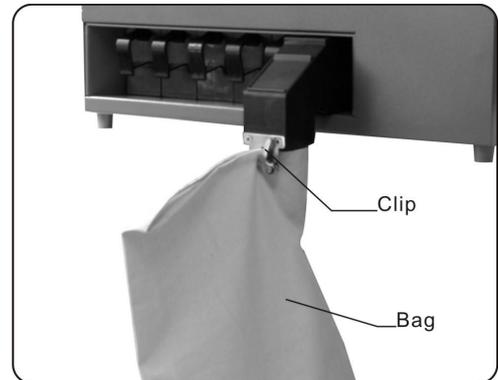
②One press increase the digit by 1. e.g. press **+1** key once is 0.01, double press is 0.02;

·Press **↑** and **↓** to select different channels.

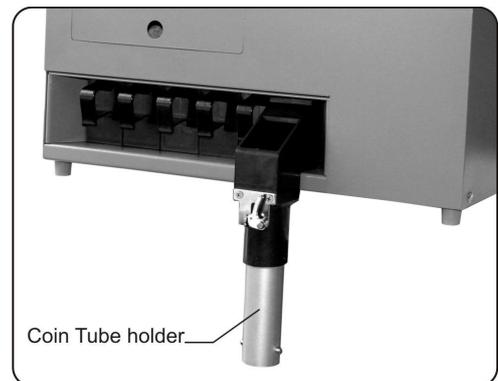
·After setting, press **VAL** key to exit and enter total display.

Set up the Coin Bag Holder & Coin Tube Holder(Optional)

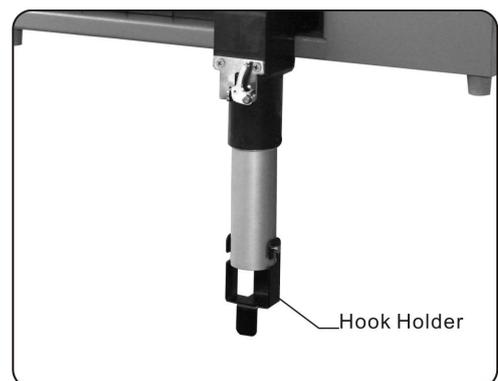
- Install the Coin Bag and fix with the clip.



- Rotate and hang the Coin Tube Holder.



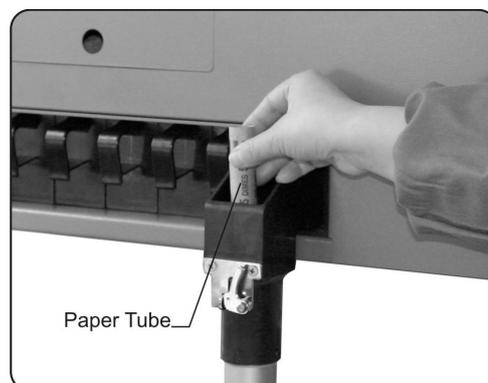
- Install the Hook Holder on the Coin Tube Holder.



- According to the denomination of the coin you will count, please 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 counting number 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

During counting, error may occur and it will display error information(same as below picture), and motor stops.



·When Error1 occurs, it means the front cover welding is open, and close the front cover welding back to the normal coin counting procedure.

·When Error2 occurs, it means some coins may be jammed on CIS sensor , please remove the coins. Press **CLR** key to return to normal working status.

·When Error3 occurs, it means some coins may be jammed on the rail, please remove the coins. Press **CLR** key to return to normal working status.

Notes: If foreign object blocks the rail, the coins may not be able to drop into the correct drawer, thus causing the counting result not accurate. Therefore, please check and remove all the foreign objects which are mixed into the coins before sorting.

Daily Maintenance

- Be sure to turn the main power off before attempting daily maintenance.
- Clean the coin rail at least once a day with a brush.
- Clean the disc at least once a day with a brush.
- If the machine needs maintenance or spare parts, please contact your local distributor.

Accessories

1. Power Cable	1 pc
2. Tray	1pc
3. Nylon Brush	1pc
4. Cotton Bag	2pcs
5. Coin Tube Set	2 sets
6. Tube Holder	1pc(Optional)
7. Coin Interior Tube(for US coins)	1set(4pcs)(Optional)
8. Hook Holder	1pc(Optional)
9. Printer	1pc(Optional)

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