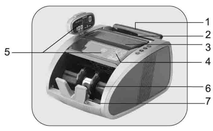
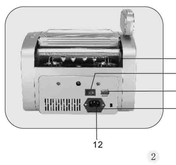
2、Description & Operation

2.1 Structure of the machine

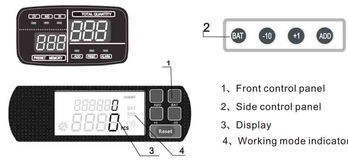


1、Hopper
2、Handle
3、Lid
4、Controlling panel
5、Display
6、Stacker vane
7、Stacker



8、Adjusting screw
9、Power switch
10、External display outlet
11、Fuse
12、Power outlet

2.2.1 Display /Controlling panel

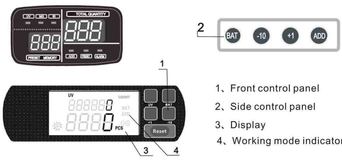


1、Front control panel
2、Side control panel
3、Display
4、Working mode indicator

2.2.1 Controlling panel

□ 1) [ADD] to count the bills in adding
□ 2) [BAT] To count the bills in batch
□ 3) [-10] To subtract the batch counting number by ten units digits
□ 4) [+1] To add the batch counting number by units digits
□ 5) [RESET] To clear zero and to restart
Remarks:The display will light on when start a function

2.3.1 Model A Display /Control panel

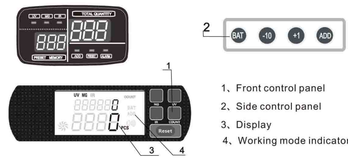


1、Front control panel
2、Side control panel
3、Display
4、Working mode indicator

2.3.2 Controlling panel

□ 1) [ADD] to count the bills in adding
□ 2) [UV] To select the function between counting and UV,COUNT detecting.
□ 3) [BAT] To count the bills in batch
□ 4) [-10] To subtract the batch counting number by ten units digits
□ 5) [+1] To add the batch counting number by units digits
□ 6) [RESET] To clear zero and to restart
Remarks:The display will light on when start a function

2.4.1 Model B Display /Control panel



1、Front control panel
2、Side control panel
3、Display
4、Working mode indicator

2.4.2 Controlling panel

□ 1) [ADD] to count the bills in adding
□ 2) [FUNC] To select the function between counting and UV,MG,IR detecting.
□ 3) [BAT] To count the bills in batch
□ 4) [-10] To subtract the batch counting number by ten units digits
□ 5) [+1] To add the batch counting number by units digits
□ 6) [RESET] To clear zero and to restart
Remarks:The display will light on when start a function

2.5 External display

The external display show the same number as in the LED display. The external display is showed to the customer.



3、Operation Instruction

3.1 The right way to loading the bills

Please load bills in the machine same as the following steps.



Photo 3.1.1

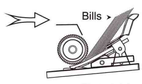


Photo 3.1.2

3.2 Working modes description

■Photo 3.2.1



3.2.1 Mode of counting and detecting bills by MG+UV+IR

Press "FUNC"button till the"MG""UV" "IR" indicator turns on,the machine is into"MG""UV" "IR" detecting mode, it check fake bills by "MG" "UV" "IR" while counting (Photo 3.2.1)

3.2.2 Mode of counting and detecting any bills by UV

Press "FUNC" button till the "UV" indicator turns on, the machine is into UV detecting mode, it check fake bills by UV while counting (Photo 3.2.2)

■Photo 3.2.2



■Photo 3.2.3



3.2.3 Mode of counting any bills without detecting

When "COUNT"indicator turns on and "MG" "UV"and "IR" indicators turn off,the machine is into counting mode, it counts any bills automatically without detecting (Photo3.2.3)

3.2.4 Mode Of Adding Count

In all series machines, press ADD button, ADD indicator lights on,the machine is into add counting mode, it adds up the last counting number with the next counting number.
(photo 3.2.4)

■Photo 3.2.4



■Photo 3.2.5



3.2.5 The Mode of Checking the fake and unnormal bills

The machine will stop and beep,and the alarm indicator lights will turn on under following situations;
1.when counting the broken or half bills
2.when checking the suspected fake bills
(Photo 3.2.5)

3.2.6 Batch Counting Mode

In all series machines, press "BAT" button PRESET indicator lights on, then the machine is into batch counting mode, the machine will stop counting when the counting number is up to the batch number.
Please press "+1"button: to preset the batch counting in units digit.
Please press "-10"button: to preset the batch counting in ten units digit.

■Photo 3.2.6



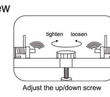
(photo 3.2.6)

3.3 Error -Message Dispaly

Code No.	Malfunction causes	Solutions
E01	The left counting sensor is broken or dirty	To change a new one or clean it
E02	The right counting sensor is broken or dirty	To change a new one or clean it
E03	The code disc is dirty or loosen	To clean it or tight it
E04	The hopper sensor is broken or dirty	To change a new one or clean it
E05	The stacker sensor is broken or dirty	To change a new one or clean it
E07	Ambient magenetic field is too strong	To lower the ambient magnetic field
	MG is not workable	To change a new one
E10	Ambient light is too high	To lower the ambient light
	UV sensitivity light is too high	To lower the UV light
E11	The plastic button is broken or loose	To change a new one or tight the connector
BF	Wheels running without feeding bills	Press reset and feed bills again

3.4 The Way To Adjust The Up / Down Screw

Due to long transportation and long use, the screw will be loose.When the counting is not accurate, it is necessary to turn the up/down screw clockwise to increase the friction



Adjust the up/down screw

3.5 Alarm -Message Dispaly

CODE NO.	PROBLEM	SOLUTIONS
EE1	The suspicious currency is being checked out by UV	Take out the first currency(suspicious currency)in the stacker,then press(reset)to continue
EE2	The suspicious currency is being checked out by MG	Take out the first currency(suspicious currency)in the stacker,then press(reset)to continue
EE3	The suspicious currency is being checked out by IR	Take out the first currency(suspicious currency)in the stacker,then press(reset)to continue
EE4	The half currency is being checked out	Take out the first currency(suspicious currency)in the stacker,then press(reset)to continue
	The left(right) counting sensor is dirty or broken	To clean it or change a new one
EE5	Two currency are counted as one/inaccurate counting	To tight the adjustable screw clockwise
EE6	The suspicious currency with different located magnetic is being checked out by MG	Take out the first currency(suspicious currency)in the stacker,then press(reset)to continue
EE7	Slanting currency is being checked out	Take out the first currency(suspicious currency)in the stacker,then press(reset)to continue
EE8	The length of currency is out of 110-160mm	Take out the first currency(suspicious currency)in the stacker,then press(reset)to continue
EE9	the width of currency is out of 50-85mm	Take out the first currency(suspicious currency)in the stacker,then press(reset)to continue
EEA	Chain currency is being checked out	Take out the two currencies(suspicious currency)in the stacker,then press(reset)to continue
EEB	Broken currency is being checked out	Take out the first currency(suspicious currency)in the stacker,then press(reset)to continue

3.6 The Way To Change The Wear And Tear Parts

When the rubber tongue is worn out, please flip it and use the other side.



3.7 Troubleshooting Operational Problems

Note: when counting and detecting is not accurate, please check the machine as following :

No power	The power line cord is connected well?	The fuse is worn out?	The power switch is on ?
The power is on , but no working	The hopper sensor is dirty, please clean by brush	Connect the Hopper sensor line well to the main board	The belt is too loose or too tight, please make the belt rightly.
Wrong counting	Turn the screw clock wise to increase the friction	Maybe Counting sensor is dirty , please clean it	Maybe the rubber tongue is worn out, please change to the other side or a new one
Wrong detecting	Adjust the MG sensor	Maybe the MG is dirty, please clean it	Maybe UV sensor is broken or dirty, please clean it or change a new one

Warning

Warning:Before doing any cleaning, turn the power switch off and disconnect the power cord to from the machine

1. Cleaning the Optical Sensors

It is very important to clean all the sensors in the machine with a soft brush to avoid any paper particles or dust from sticking to the light-transmitter or the light-receiver sensors.
This should be done every day. If necessary, the glass surfaces of the detectors may also be wiped with a soft cloth soaked with alcohol.

2.Cleaning the Inside of the machine periodically

It is necessary to clean the inside of the machine once a month, Unplug the machine and lift the top cover to gain access to the interior.

3.Additional Recommendations

Avoid operating the machine in a dusty or dirty room. To guard the machine from the elements. Always keep it protected with the supplied plastic cover (when not in use)

CAUTION：DO NOT CHANGE THE POSITION OF THE DETECTORS AND/OR OPTICAL SENSORS

1. The machine must be safely connected with the power source.
2.The machine must be kept in dry and ventilated place to avoid strong sunlight.
3.The machine must be kept far away from the strong magnetic field and the interference of Hertzian waves
4. The effective power must be in the scope of 220V±10% or 110V± 10%, otherwise it will affect the normal work.
5. The fuse rating is 2A/250V, it can not be increased or reduced.
6. 80% of all the operational problems may be caused by the dust and dirt inside the machine, please keep the machine clean all time.

Packing List

1. Counting and detecting machine	1pc
2. Use manual	1pc
3. Power cord line	1pc
4. External display(optional)	1pc
5. Brush	1pc
6. Spare parts	1set