

USER MANUAL

Bill Counter



3903S

Thank you for choosing our bill counter. Please read this manual carefully before use and operate properly as described in this manual. All product pictures in this user manual are schematic diagrams.

The specifications contained in this manual are subject

to change without notice. This product is electromagnetic sensitive which may cause electromagnetic interference in the living environment, please keep it away from other electrical appliances.

CONTENTS

Warranty Card......7

SAFETY AND MAINTENANCE NOTES

1. The unit should be connected to a properly grounded outlet and it must be operated within the range of rated voltage.

2. The applicable operating temperature is 0 $^{\circ}$ C ~40 $^{\circ}$ C, and the machine may not operate properly beyond the range.

3. When using this machine, keep it away from electrical appliances (such as cell phones, electric drills, welding machines and more) that may cause strong interference to the power grid, and avoid strong direct light and strong magnetic interference, or it may cause failure of counterfeit detection.

4. Please clean the inside of the machine regularly. Before doing any dusting, turn the machine off and disconnect the power cord. 5. Turn off the power when unattended or not in use for an extended period

of time. Do not cover the vent because this product has heat generating

components.

6. In the event of the following, please power off the machine and reach out

to a professional technician for repair. If there is spilled liquid on the machine

If there is an abnormal change in machine performance If the machine is badly damaged

If the machine does not operate properly after instructions have been

followed

Please inspect the machine to make sure it is intact and take inventory of all

items. The following accessories are included with the bill counter: If any items are missing, please contact your dealer.

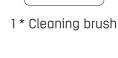


BOX CONTENTS



1





Counting speed: 900 bills/min Power supply: AC220V 50Hz Accepted bill size: Length (110~165) mm

TECHNICAL SPECIFICATIONS

Rated current: 400mA Power consumption: 80W Fuse current: 2A Ambient temperature: 0°C~40°C Dimensions: 290X248X182(mm³)

Preset display range: (1-999) bills

Acceptable bill thickness: (0.075~0.15) mm Hopper capacity: 130 Stacker capacity: 130 Counting display range: (1-999) bills

Width (50~110) mm

REAR VIEW

- 1. Hopper plate
- 2. Adjustment screw 3. Power switch
- 4. Power socket
- 5. Fuse 2A (built-in) 6. External display / Upgrade interface



OPERATING INSTRUCTIONS 1. Connect one end of the power cord to a 220V AC outlet and turn the power

switch on. After completing a self-check, the machine will emit a beep and display "0" on the screen when it is ready. If it displays other codes, see Malfunction Self-Diagnosis and Troubleshooting. 2. Remove the following bills before counting to avoid

misidentification or damaging the bills. Repaired bills Washed bills

Badly stained bills Broken or torn bills

2

Please organize the bills before counting. Sort out bills of different

HOW TO OPERATE PROPERLY

denominations and remove the paper patch and contamination on the bills, then fan the bills evenly into a small slope; loosen and then fan out the stack of bills and place them into the hopper feeder.



Figures 2 and 3 show the wrong way to operate. In Figure 2, the operator does not place the bills in the right direction, and in Figure 3, the operator does not fan the bills to a certain slope. **EXTERNAL STRUCTURE**

As shown in the figures, Figure 1 shows the correct way to operate, and

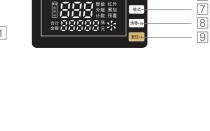
1 Main control panel

2 Stacker stopper 3 Stacking rollers 4 Rotatable screen 7 "Add" button 8 "Clear/+10" button 9 "Reset" button

6 "Preset" button

5 Hopper feeder





FUNCTIONS AND OPERATING INSTRUCTIONS

3

Preset mode: "Press the ""Preset"" button, the upper side of the screen will

display ""Preset"" and the lower side will display "100". When the hopper is empty, press the "Clear/+10" and "Reset/+1" buttons to reset a preset batch number. As soon as the machine reaches the preset batch number, it will stop. Remove all bills from the stacker or press the "Reset" button and the machine will begin counting the next batch. Turn the preset mode off: To exit this mode, press the "Preset" button again." Add mode: Press the "Add" button and the "Add" mode indicator will be lit

up while this mode is on. When you remove the counted bills

from the stacker, the total number of bills counted will be displayed on screen. To stop using the add mode, press the "Add" button again and the indicator light will shut off. Clear: Clears the current counting number when the motor stops and there is no alarm. Pressing the "Clear" button can clear the alarm if an alarm is triggered. Reset: Clears the current counting number and start the motor when the motor stops and there is no alarm. Pressing the

"Reset" button can clear the alarm if an alarm is triggered. Alarm indicator: The machine will stop counting automatically and the alarm light turns on when a suspicious bill, double note (chain note) or torn note (half-note) is detected. The suspicious bill will be the first one in the stacker. Error Code Cause Suspicious note E3※ Inaccurate counting

E4※	Half note or torn note					
E8 	Abnormal bill size or chain note					
•	-					
	4					

As the rubber roller wears down, it will cause unsmooth bill

feeding or inaccurate counting, indicating that the rubber roller should be replaced. Pull out the stacker, remove both

1. How to adjust the hopper

ANALYSIS AND TROUBLESHOOTING OF

For unsmooth bill feeding or inaccurate counting, please turn the feeding gap adjustment screw to adjust the gap between

the resistance mat and the rubber roller, then place one bill between them and make sure the hopper tension is appropriate (turn clockwise to tighten, counterclockwise to loosen). Feed gap adjustment screw

2. Malfunction self-diagnosis



there is any fault, an error code will be displayed as follows: Error Code Possible Cause Solution Check the wiring or replace the tube Malfunction in the left counting tube circuit

CE2	Malfunction in the right counting tube circuit	Check the wiring or replace the tube							
CE3	Malfunction in slotted optocoupler circuit for width detection	Check the wiring or replace the sensor							
CE4	Malfunction in the photoelectric sensor of the hopper feeder	Check the wiring or replace the sensor							
CE5	Malfunction in the photoelectric tube circuit of the stacker	Check the wiring or replace the sensor							
3. How t	3. How to replace wear parts								
Please r	eplace the resistance mat when i	t is severely worn. Pull							

out the hopper feeder, press down on the slide plate, remove the worn resistance mat, replace it with a new one, and restore

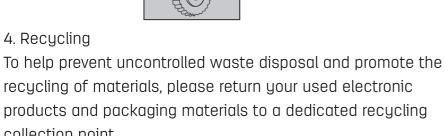
it as it is.

5

4. Check if supply voltage is too low

the left and right plastic side covers, then remove the worn gear rubber ring by hand, replace it with a new one and then restore it as it is. Resistance mat

Rubber roller 4. Recycling



collection point. 5. Analysis and troubleshooting of common problems Please check the following points before requesting the repair service:

1. Check if the two ends of the power cord have been inserted into the power socket and the machine respectively

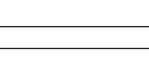
(Insert the power cord firmly) 2. Check if the power is out or the power switch is not turned on

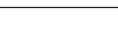
The machine stops unexpectedly

(Turn the power switch on) 3. Check if the fuse has been blown (Ask a technician to replace the fuse for the power socket)

details and affixed with official seal of the dealer

(1) Expiration of the warranty period;







1. Check if the hopper sensor have collected dust (Clean the hopper sensor)

(Adjust the voltage) AC220V

Start/Stop malfunction

2. Check if the wiring between the hopper sensor and the main circuit board is disconnected

(Connect the wiring)

(Replace the drive belt)

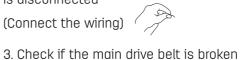
Transmitter Receiver

Special Disclaimer:

301 Xuxiake Ave. Ninghai County

Ningbo 315600 China Made in China

info@nbdeli.com www.deliworld.com



4. Check if bills get jammed (Remove any jammed bills and adjust the adjustment screw)



Inaccurate counting 1.Check if the hopper is loaded properly

Adjust position of the hopper 2. Check if the counting sensors have collected dust

3. Check if the resistance mat or rubber roller has been severely worn?

(Clean the left/right counting tube)

4. Check if the bills are placed correctly

(Replace the rubber parts)

Refer to the diagram which shows how to place bills correctly (Page 3) (Follow the instructions to place the bills correctly)

While information of this manual has been rigorously checked and reviewed, we still cannot rule out the possibility of spelling mistakes and technical

negligence and/or errors. Such negligence and/or errors will be corrected in

7

WARRANTY CARD Thank you for your purchase of our products. The interests of customers who purchase our products will be

protected. For any malfunction due to product quality problems, please contact authorized local dealers or service centers with this receipt and the warranty card Warranty terms: 1. For product failures occur under normal operating circumstances, free of charge repair and spare parts replacement service shall be provided by our company within one year commencing from date of purchase.

the user manual; (3) Failure or damage resulting from unauthorized disassembly, repair or modification;(4) Failure or damage caused by force majeure; (5) Wear parts or accessories. This warranty card is being delivered with the product, one card for one product. Please keep this warranty card in proper condition for free warranty service. There is no replacement if lost.

Date of Purchase:

Product Information	Product Name	S	erial Number		
	Product Model Number		1anufacturing Iate		
Customer	Company Name			Contact	
Information	Address			Phone	
Sales Information	Dealer Name			Contact	
	Address			Phone	
	Date of Purchase			Invoice No.	

Record						
— — — his copy sha	 Ill be cut along the	dotted line and	 kept by the de			
Product	Product Name			Serial Number		
Information	Product Model Number			Manufacturing Date		
Customer Information	Company Name				Contact	
	Address				Phone	
Sales Information	Dealer Name				Contact	
	Address				Phone	

2. Customers are required to present this warranty card and the original purchase invoice to our company upon request for warranty service. This warranty card shall be valid only after the following form is filled out in No free of charge repair service shall be provided in the event of any of the following circumstances

(2) Damages caused by improper use, maintenance or storage not in accordance with the requirements of

	Auuless				Phone	
	Dealer Name				Contact	
Sales nformation	Address				Phone	
	Date of Purchase				Invoice N	0.
	Description of Malfunction	Maintenance Results	Customer Signature	Maintenance Technician Sign		Maintenance Date
Maintenance						
Record						
:						

Product	Product Name			Serial Number		
Information	Product Model Number			Manufacturing Date		
Customer	Company Name				Contact	t
Information	Address				Phone	
	Dealer Name				Contact	t
Sales nformation	Address				Phone	
	Date of Purchase				Invoice	No.
	Description of Malfunction	Maintenance Customer Maintenance Results Signature Technician Sign		nature	Maintenance Date	
Maintenance						
Record						

the updated version(s) without further notice. The intellectual property of this manual belongs to our company, and no organization or individual is allowed to change the content.

CERTIFICATE

Inspector: _ Date of Manufacture:

KEEP FOR FUTURE USE Version: 1.0

Date: 04-2021