



NCTS-VC14C

MULTI-CURRENCY

CIS VALUE COUNTER



Offer reliability,
accuracy and
speed to business
owners

USER MANUAL

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1.0 Machine Overview



Figure 1 - 1 Front Diagram

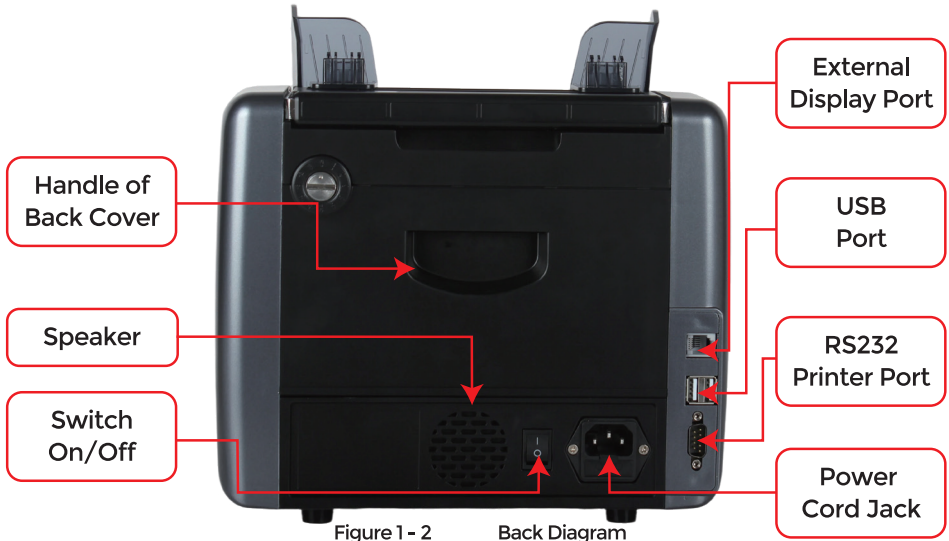


Figure 1 - 2 Back Diagram



Figure 1 - 3 Top Diagram











Figure 1 - 4 Side Diagram

2.0 Packing Open and Installation

2.1 Packing List

When you receive the package, open and check the packing list in the package.

Table 2 - 1 Packing List

Item Name	Picture	Quantity (pcs)	Description
Banknote Counter		1	Mixed denomination Banknote counter
External Display		1	External LED display screen with RJ11 cable
Power Cable		1	Power supply cable of American standard
Banknote Guiders		2	Install at the hopper
CIS Calibration Paper		1	Used for the CIS calibration
Nylon Brush		1	Clean the machine
Soft cleaning Cloth		1	Clean the CIS or the other sensors
Fuse		1	The backup fuse for the power protection
User Manual		1	

2.2 Installation and Use Location

As shown in figure 2-1, please stay away from the surrounding walls and reserve sufficient operation space for placement of banknotes, opening or closing of the cover plate, as well as for maintenance.



Figure 2-1 Installation and use location

2.3 Installation Instructions

2.3.1 Installation Warnings

- (1) This machine is specially designed for indoor use. Please do not install or use it outdoors.
- (2) Please do not install it in place that cannot bear the weight of this product or in places that are inclined or uneven.
- (3) Do not use or please combustible materials, inflammables and volatile items such as thinners around/inside this product.

2.3.2 Power Supply Connection

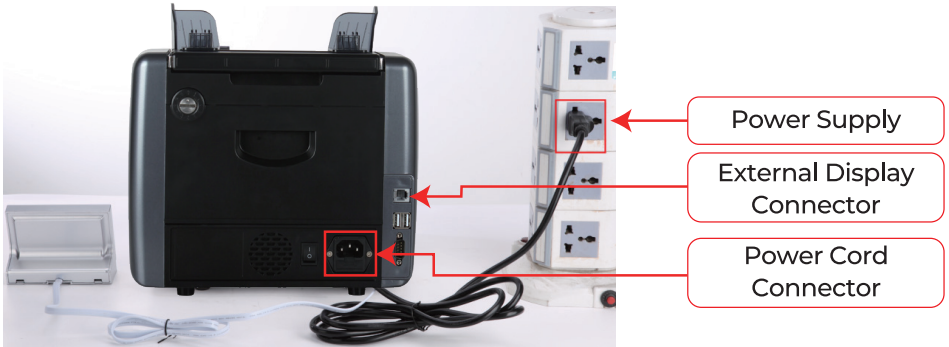


Figure 2-2 Power and External Display Connection

3.0 Display and Operation Interface

3.1 Display Appearance

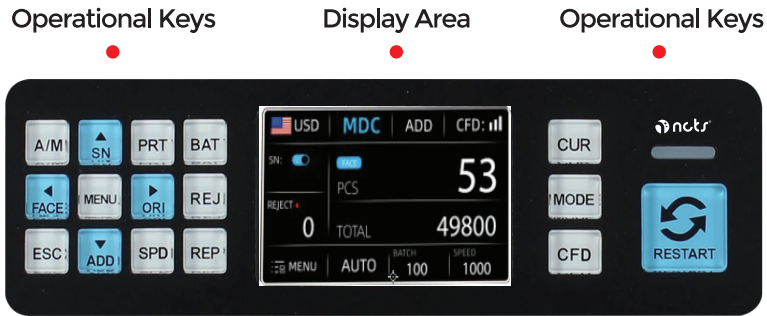



















Figure 3-1 Display Appearance

3.2 Operational Instructions for Function Keys

-  **A/M** Auto on key, to switch on/off the automatic operation. Auto: automatically counting as long as there is banknote on the hopper. Manual: manually counting by press the restart key.
-  **FACE**  **SN**  **ORI**  **ADD** Direction keys.
-  **SN** **SN** or  key, turn on serial number recognition function. In Batch mode, press it to increase batch number by 1. Move cursor up in Menu.
-  **PRT** **PRT** Print key, to print the counted banknotes information.
-  **BAT** **BAT** Batch key, to select the batch number.
-  **FACE** **FACE** or  key, face sorting function on/off in SDC mode. In Batch mode, press it to increase batch number by 10; Move cursor left in Menu.
-  **MENU** **MENU** Menu key, to enter the menu interface by long pressing the key until a beep sound.
-  **ORI** **ORI** or  key, orient sorting function on/off in SDC mode. In Batch mode, press it to decrease the batch number by 10. Move cursor right in Menu.
-  **REJ** **REJ** key, show the rejected bills and the reason. Long press to set the capacity of reject pocket (max. 100 bills).

- ESC Return key, to return to the previous interface.
- ▼
ADD Add key, to switch on/off the accumulation function.
- SPD Speed key, to select the different available counting speeds.
- REP Detail key, to check the detail counted information.
- CUR Currency key, to select the one of currency, auto recognition or multi-currency mode for counting.
- MODE Mode key, to select CNT mode, SDC mode or MDC mode for counting.
- CFD CFD level key, to select the Counterfeit Detection Sensitivity level.
- 
RESTART Restart key, to start counting, or to start other operations.
-  Power key, long press to enter the standby mode or resume to the working mode

3.3 Display Interface

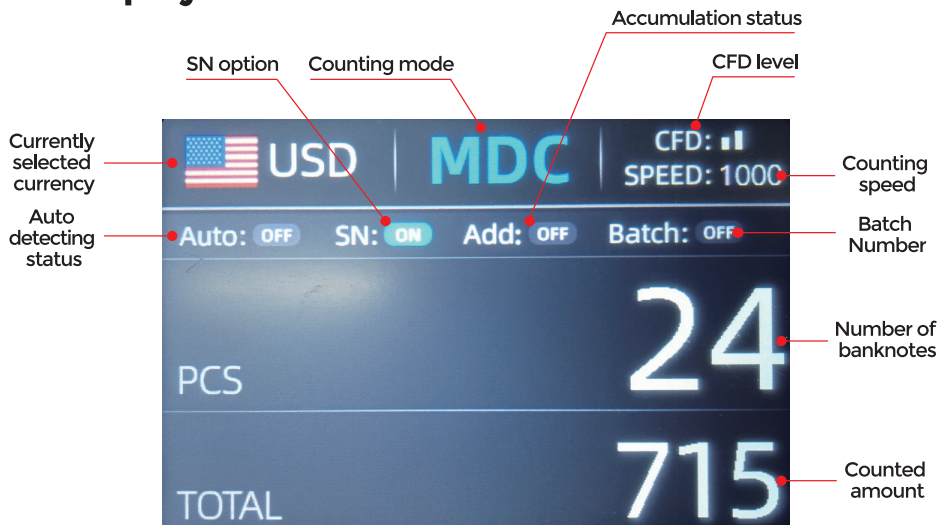


Figure 3-2 Main Display Interface

4.0 Operating Instructions

4.1 Start-up

Turn on the switch after connecting the machine to power supply. First, the machine enters the self-checking interface, as shown in Figure 4-1.



Figure 4-1 Self-checking Interface

Please wait patiently for about 20 seconds, and the machine will spin the banknote processing wheel several times to conduct a self-check, and then enter the main interface as shown in Figure 4-2.



Figure 4-2 Counting Ready State Interface

4.2 Selection of Counting Mode

4.2.1 Single Currency Counting Mode

After the machine is turned on, the flag & currency graphic appears in the upper left corner, indicating that the machine is in the current currency counting mode.

The default mode is MDC mode. By pressing the key **MODE** of the control panel, three counting modes can be cyclically switched, and the 3 counting modes will be cyclically switched according to MDC-CNT-SDC sequence.

4.2.1.1 MDC Mode

As shown in Figure 4-3, the counter is in MDC mode. In this mode, the counter will count the banknotes of all denominations of the selected currency, and save the detail information of the counted banknotes at the same time, including the total amount and the total number of the banknotes in stacker, so as to facilitate users to check. In this mode, the counter has 2 counting speed (800/1000pcs/min) options.



Figure 4-3 Initial Interface of MDC Mode



Figure 4-4 Interface after MDC Counting

4.2.1.2 SDC Mode

As shown in Figure 4-5, the counter is in SDC mode. In this mode, the counter will count the banknotes of the same denomination of the selected currency with the first banknote counted as a reference, and save the detail information of the counted banknotes at the same time, including the total amount and the total number of the banknotes in stacker, so as to facilitate users to check. In this mode, the counter has 2 counting speed (800/1000/min) options.



Figure 4-5 Initial Interface of SDC Mode



Figure 4-6 Interface after SDC Counting

You can use this function to sort the mixed bill manually.

4.2.1.3 CNT Mode

As shown in Figure 4-7, the counter is in CNT mode. This mode does not limit the currency, and only count the number of banknotes. It only works with double note detection function and no other counterfeit detection function. In this mode, the counter has 4 counting speed (800/1000/1200/1500 pcs/min) options.



Figure 4-7 Initial Interface of CNT Mode



Figure 4-8 Interface after CNT Counting

Note: In the MDC and SDC mode, the counter has the functions of image acquisition, magnetic detection, ultraviolet detection and double note detection. While in the CNT mode, there is only a double note detection function.

4.2.2 Automatic Recognition Mode

In the process of counting banknotes, the counter uses the first banknote passing through the sensor as the judgment rule to recognize the banknotes of all denominations of the same currency. When banknotes of other currencies are recognized, the machine will alarm and stop. At this time, banknotes from other currencies need to be taken out, and the machine will continue counting. The machine can only recognize all of the currencies displayed in the currency selection interface.



Figure 4-9 Currency Selection Interface

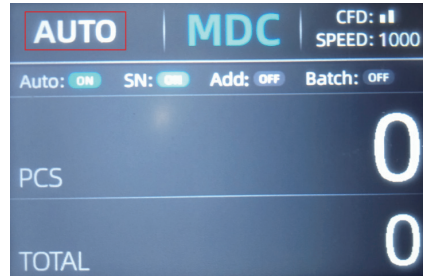




Figure 4-10 Auto Recognition Counting Interface

Press the key  , the currency selection interface is shown as Figure 4-9. Move the cursor to 'AUTO' by direction key (the default option is 'AUTO'), and then press the menu  key , the display screen will be automatically adjusted to the main interface, as shown in the Figure 4-10.

Example: Put a handful of USD into the counter hopper to count. The interface of the displays as Figure 4-11 at the end of counting. The currency in the upper left corner is identified as USD.



Figure 4-11 USD Counting Result

Take out the USD in the stacker, and then put the EUR into the machine to count. The display screen is showed as Figure 4-12.



Figure 4-12 EUR Counting Result

4.2.3 Multi-currency Counting Mode

Multi-currency Mix Counting: Banknotes of multiple currencies are mixed together and put into the counter to count. The counter can recognize all the first 4 currencies displayed on the currency selection interface.

As shown in Figure 4-9, press the key  to select 'MULT' shown in Figure 4-13, and then press the menu key , the display screen will be automatically adjusted to the main interface, as shown in the Figure 4-14.



Figure 4-13 Multi-Currency Selection



Figure 4-14 Multi-currency Counting Mode

Note: Only MDC mode is effective in the Multi-currency mode.

Example: Put a handful of banknotes (including USD, EUR, CAD, MXN) into the counter hopper to count. The interface of the counter displays as Figure 4-15 at the end of counting.



No.	Currency	PCS	Amount
1	EUR	24	915
2	USD	24	715
3	MXN	17	4610
4	CAD	10	265


Figure 4-15 Multi-currency MDC Counting Result

4.2.4 Non-Volatile Memory for Currency Mode

The currency mode setting is non-volatile. For example, if you set multi-currency counting mode before power down the counter, next time the counter is in multi-currency counting mode after power on. It is very convenient that you don't need to reselect the currency every time you power on the counter.

4.3 Counting Function Options

4.3.1 Automatic Banknote Counting

Press the key  to enable or disable the automatic banknote counting in the main interface.


The default setting of automatic counting is on. Every time the counter resets, the setting will be reset to be on state.

As shown in Figure 4-16, pressing the  key is needed every time when you put banknotes in the hopper to start counting.





Figure 4-16 Auto Banknote Detecting Off

4.3.2 SN Reading

The key  is used to enable or disable the SN reading function in the main interface. The default setting of SN reading is on. Every time the counter resets, the setting is reset to be on state.

4.3.3 Batch Setting

Press the key  to select the batch number in the banknote counting interface, the screen display is shown in Figure 4-17. By pressing the key  of the control panel, the batch number will be cyclically switched according to 100-50-0 sequence.

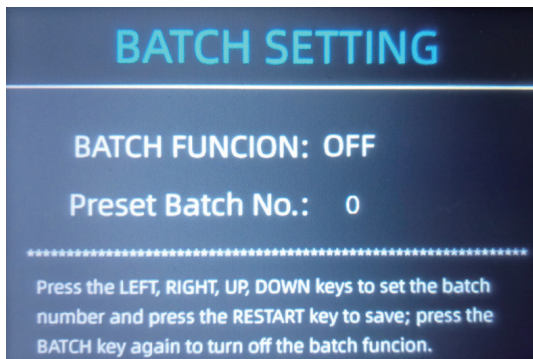






Figure 4-17 Batch Setting Interface

The batch number will be increased by 10 by pressing the key , or decreased by 10 by pressing the key  until it becomes 0. And it will be increased by 1 by pressing the key , or decreased by pressing the key .

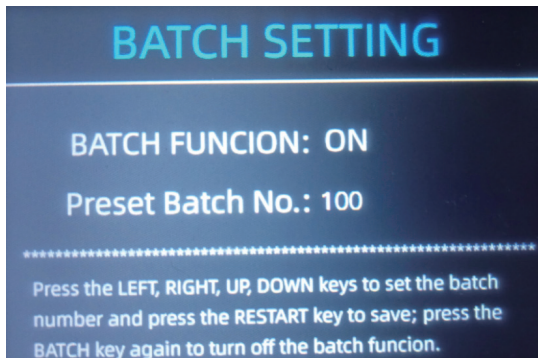


Figure 4-18 Batch Setting Interface

Press the  key to return to the main interface if you confirm the batch number.



Figure 4-19 Batch Number Indicator

Note: the stacker maximum capacity is 200 bills, so the batch number should be less or equal to 200.

4.3.4 Accumulation

Press to enable the accumulation function.

In any counting mode, the accumulation function of the number of the banknotes can be enabled by pressing the key .

4.4 Counting Speed Setting


There are four counting speed options: 1500, 1200, 1000 and 800 (Note: 1500 and 1200 are the only optional in CNT mode). The default speed is 1000 in three modes. If setting is required, different counting speed can be switched by pressing the key  in any counting mode.



Figure 4-20 Speed Indicator

4.5 Check Detail of Counting

In the MDC or SDC mode, press the  key upon the completion of counting to enter the interface shown in the following figure to check the details of counting.




The screenshot shows a dark blue interface with the following elements: a US flag and 'USD' on the left; 'MDC' in large blue letters in the center; and 'Details' on the right. Below this is a table with the following data:

No.	Denom	PCS	Amount
1	100	5	500
2	50	1	50
3	20	5	100
4	10	4	40
5	5	4	20
6	2	0	0
7	1	5	5
TOTAL		24	715

Figure 4-21 Detail Denomination Information

4.5.1 Check the Serial Number

As shown in Figure 4-21, if the SN reading is on, press the  key again, the banknote's serial number will be shown in the following figure.



No.	SN	Denom
1	MF06735398I	20
2	MF06735392I	20
3	MB14530600C	50
4	MF06735372I	20
5	E46705560A	1
6	E46705555A	1
7	MD86811796A	10
8	IK38723392C	20

Figure 4-22 Serial Number Information

4.6 Print Information



When the external printer has been connected and can be printed, after counting, press the  key to enter the print interface shown in Figure 4-23, and then press the  key, the printer starts print.



Figure 4-23 Printer Interface



Figure 4-24 Start Printing

4.7 CFD Level


There are 3 adjustable CFD levels. By pressing the  key, the CFD level graphic appearing in the upper right corner will change.



Figure 4-25 CFD Level

Note: CFD level 0, means no counterfeit detection, the most strictly detection is level 3.

5.0 Menu Setting

To enter the menu interface by long pressing the  key until a beep sound, as shown in the following figure.

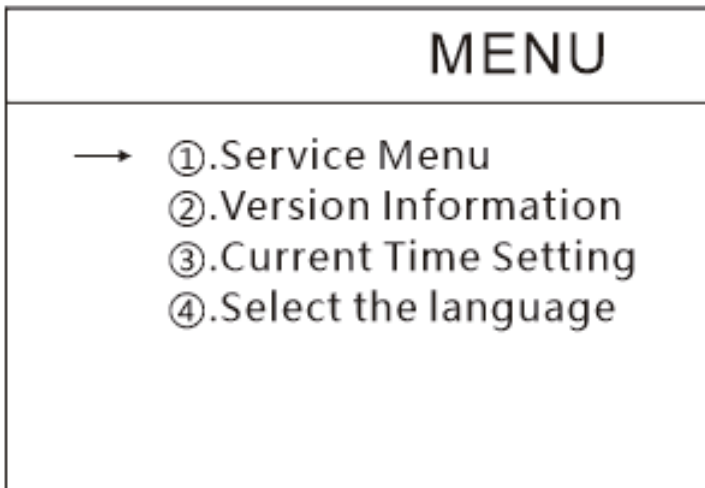


Figure 5-1 Menu Interface

5.1 Service Menu

Press the **MENU** key to enter service menu, you will be requested to input a password with the following interface. The default password is 9999.

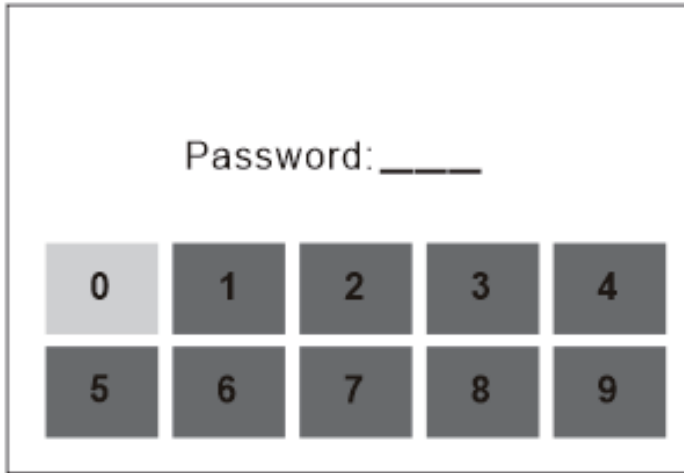


Figure 5-2 Password Interface

After input the password, the interface showed in Figure 5-3 will be displayed. Use the cursor to select with sub-menu you want to enter, and press **MENU** button to confirm, and press **ESC** button to quit.

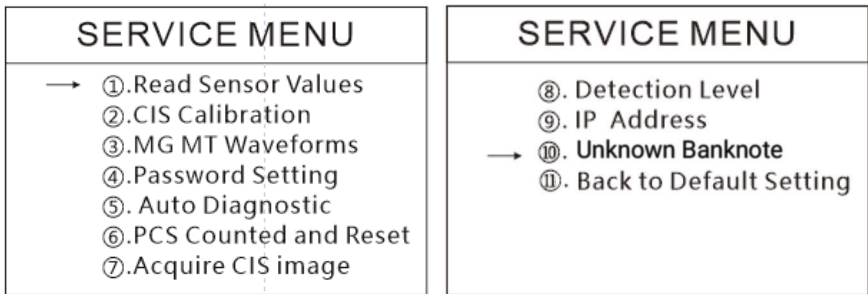


Figure 5-3 Service Menu

5.1.1 Read Sensor Values

1:PS1L VALUE	0.107V
2:PSIR VALUE	0.110V
3:STACKER VALUE	0.099V
4:HOPPER H VALUE	0.113V
5:HOPPER L VALUE	0.091V
6:UV R VALUE	0.051V
7:UV L VALUE	

Figure 5-4 Sensor Values

As shown in Figure 5-4, the sensors values are only for engineer to check whether any sensor has a malfunction. If you meet any problem about use, please take a photo of this page and contact us.

5.1.2 CIS Calibration

SERVICE MENU
<ol style="list-style-type: none">1.Clear CIS2.Put the white paper3.Press the RESTART Button

Figure 5-5 CIS Calibration Steps

If you meet cases about banknote detection errors, please try to calibrate the CIS. The CIS calibration steps are shown in Figure 5-5. For more detail instruction, we recommend you to see the maintenance manual

5.1.3 MG/MT Waveforms



Figure 5-6 MG/MT Waveforms

5.1.4 Password Setting

The password cannot be changed by user now.

5.1.5 Auto Diagnostic



Figure 5-7 Auto Diagnostic

This is for production and professional servicing purpose.

5.1.6 PCS Counted and Reset

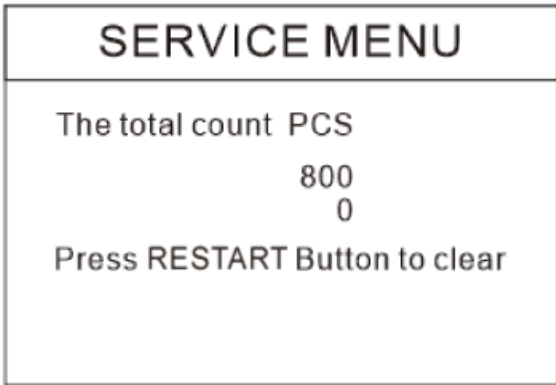


Figure 5-8 PCS Counted and Reset

This is to tell you the total quantity of counted bills in this counter since last time clearing to zero.

5.1.7 Acquire CIS image

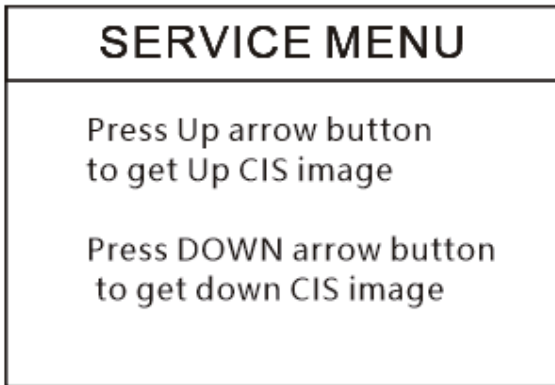


Figure 5-9 Acquire CIS Image

This is for servicing purpose.

5.1.8 Detection Level

CF LEVEL		
→	MT	5
	UV	5
	MG	4
	SN COMPARE	5
	DB	5
	CIS IR	5

Figure 5-10 CF Level

As shown in Figure 5-10, you can use the left and right direction key to select, and up and down direction key to change the sensitivity levels. The currency code in the right part is indicating for which currency you are operating.

Note: Please do not change without communicating with us.

5.1.9 IP Address

SERVICE MENU	
Device IP	192 168. 11. 2
Sever IP	192 168. 11. 1
UP and DOWN to modify	
LEFT and RIGHT to select	

Figure 5-11 IP Setting

This is only for engineer.

5.1.10 Back to Default setting

As shown in Figure 5-12, press the menu key to reset all of the settings you changed before.



Figure 5-12 Back to the Default Setting

5.2 Version Information

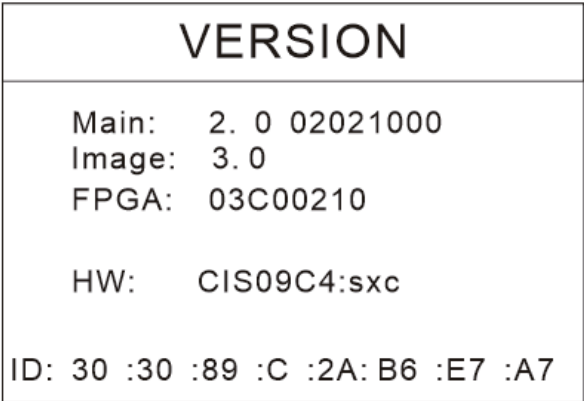


Figure 5-13 Version Information

You are available to check the version information.

5.3 Time Setting

TIME SETTING	
Input date	
2019	Y 10 M 17 D
	13 H 57 M 12 S

Figure 5-14 Time Setting

As shown in Figure 5-14, you can set the date or time according to your preference.

5.4 Language Selection

LANGUAGE	
→	①.English
	②.Türk
	③.Deutsch
	④.русский
	⑤.简体中文
	⑥.繁體中文
	⑦.Español

Figure 5-15 Language Selection

You are available to set the language you like.

6.0 Software Upgrade

U-disk upgrade method is adopted for the software upgrade of this product. Please upgrade the software according to the following steps.

- (1) The upgrade file needs to be moved to the root directory of the U-disk. (please do not change the file name or format of the upgrade file, and there cannot be two or more upgrade files in the root directory of the U-disk)
- (2) Insert the USB disk into the USB interface at the rear of the machine. Make sure the power is off before insert the U-disk.



Figure 6-1 USB Upgrade Port

- (3) Turn on the counter, and the machine will automatically recognize the upgrade file. Upon successful recognition, the machine will read the file first.

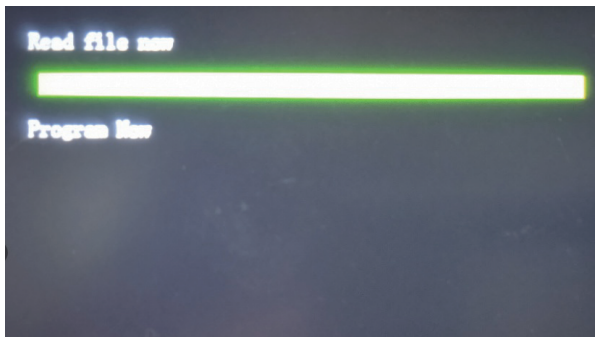


Figure 6-2 Upgrade File Reading

(4) And program the file to the counter.

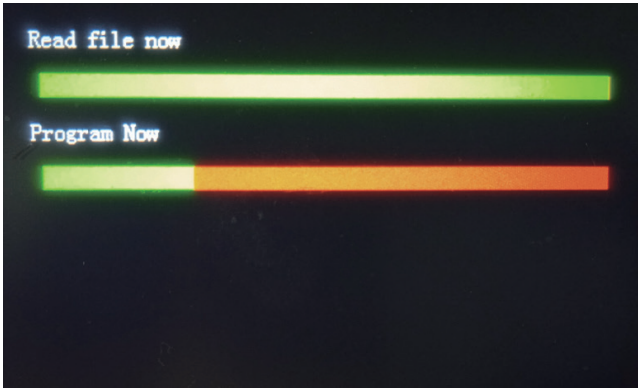


Figure 6-3 Program the Upgrade File

(5) After finish the programming, unplug the USB disk and turn off the machine.

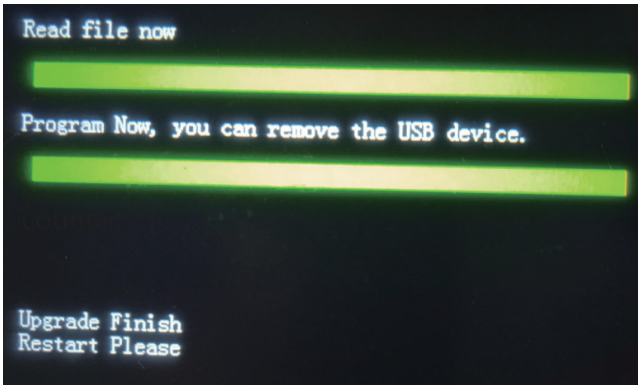


Figure 6-4 Program Finish

(6) Turn on the machine to enter the main interface. Software upgrade has been finished.

7.0 Maintenance

After starting the machine, it will go on self-check automatically. If the preset window shows the error code or tell you to clean the sensors, generally speaking, it is because of dust on the surface or sensor blocked by notes. So please clear the dust on the surface with brush or soft cloth, or take the notes away. Then restart the machine.

This document describes the error handling guideline and the maintenance manual.

7.1 Cleaning the Machine

Any dust, dirt or other substances sticking to the sensor will interfere with the normal operation of the sensor and cause erroneous counting results. Therefore, the sensor and roller shaft shall be cleaned with the attached cleaning tools as necessary every day.

Please turn off the power switch before cleaning to prevent electric shock or other injury accident s.

Please do not use chemicals such as benzene, thinner or water.

7.1.1 Check the Serial Number

There are 3 parts need to be clean in the hopper: hopper sensor, banknote processing wheel and the banknote entrance.

(1) Hopper Sensor.



Figure 7 - 1 Hopper Sensor

As shown at the above figure, clean the hopper sensor with nylon brush or cleaning cloth.

(2) Banknote processing wheel

As shown in the following figure, clean the banknote processing wheel with nylon brush or cleaning cloth.

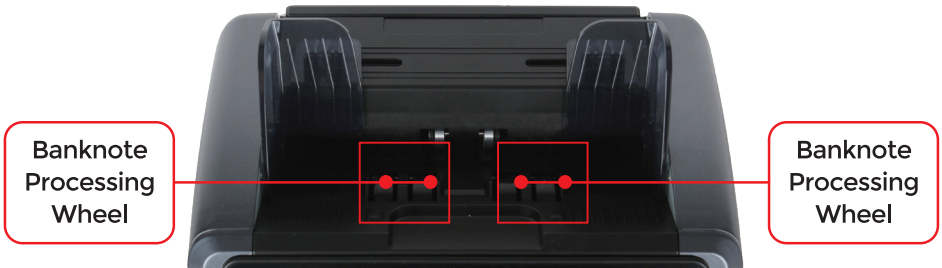


Figure 7 - 2 Hopper Sensor

(3) Banknote entrance

As shown in the following figure, clean the banknote entrance with nylon brush.



Figure 7 - 3 Banknote Entrance

7.1.2 Clean the Stacker Sensors

As shown in the following figure, clean the stacker sensors with nylon brush or cleaning cloth.

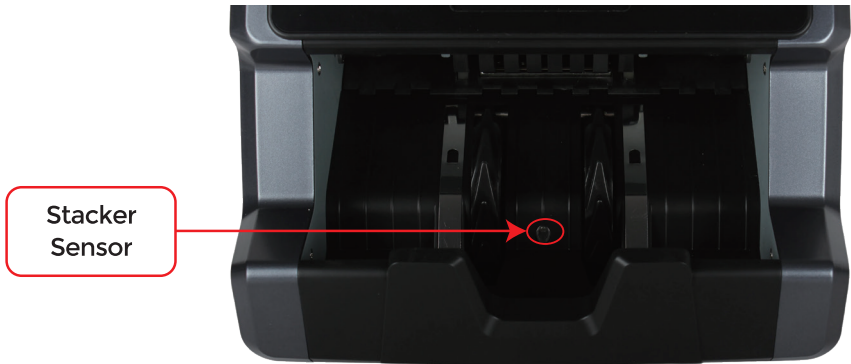


Figure 7 - 4 Stacker Sensors

7.1.3 Clean the Internal Sensors

As shown in the following figure, clean the stacker sensors with nylon brush or cleaning cloth.



Figure 7 - 5 Direction of Back Cover Opening

(1) Pull the handle of external back cover with the direction shown in Figure 7-5 to open the back cover.



Figure 7 - 6 Handle of External Back Cover

(3) Clean the lower CIS and Lower UV sensors with cleaning cloth or nylon brush respectively.

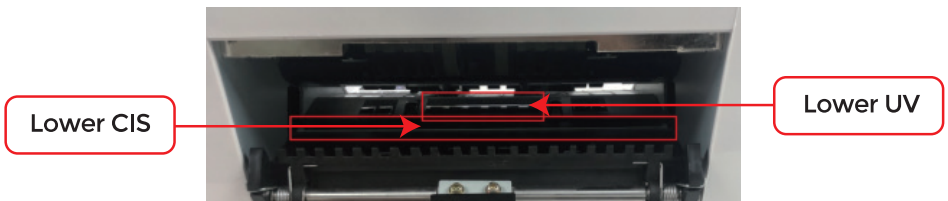


Figure 7 - 8 Lower Sensors

(4) Clean the upper CIS with cleaning cloth.

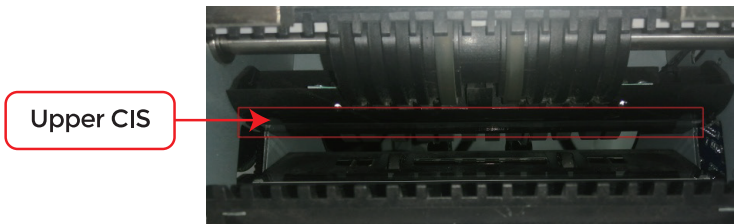


Figure 7 - 9 Upper CIS Sensor

Note: For the CIS sensors, it is recommended to use cleaning cloth to clean them.

7.2 Error Code

Table 7 - 1 Error Codes

Code	Error Description	Handling Method (Recommendation)
E1	Bill UV sensor error	Remove the banknote, clean the UV sensor
E2	Bill double error	If the errors occur frequently, adjust the screw toward the anti-clockwise to decrease the feeding gap.
E3/E8	Chain notes error	
E4	Half notes error	Remove the banknote
E10	Image Error	Clean the CIS sensor, and calibrate the CIS
E11/E12	Denomination Error	Remove the banknote, clean the CIS sensor; Perform the CIS sensor calibration; Collect the data of the banknote.
E13	Face Recognition Error	
E14	Size Recognition Error	
E15	Orientation Recognition Error	
E20	MT Error	Remove the banknote, clean or replace the MG sensors
E21	MG1 Error	
E22	MG2 Error	
E23	MG3 Error	
E24	MG4 error	
E30-E61	IR Error	Remove the banknote, clean the CIS sensor; Perform the CIS calibration; Collect data of the banknote.

In the process of using the Machine, the Machine may show abnormal state and display the error codes on the screen. The description of the error codes and the related handling method is shown in table 7-1.

7.3 Bill Jam

If the bills are stuck inside the machine, please turn off the machine and rotate the banknote processing wheel by the direction of the following figure to take the jammed bills.

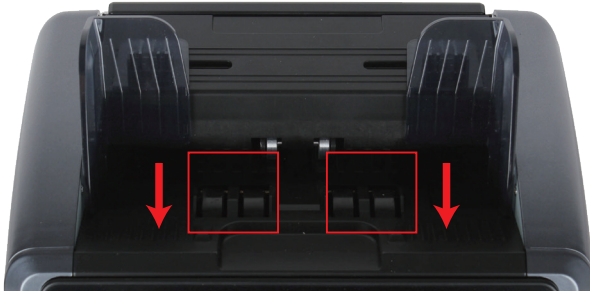


Figure 7 - 10 The Direction of Wheel Rotation to Take the Jammed Bill

There are several conditions to make the bill jam happened.

- (1)The bill size is out of the range according to IMC01 specification.
- (2)The banknote is damaged with different ways such as lack of corner, tape, hole, tear and folded. As shown in Figure 7-11, it is not recommended to count this kind of bills.



Figure 7 - 11 Bill Damaged Ways

(3)The banknote entrance is so small that the banknote cannot pass through it smoothly. In this case, you need to fine tune the screw by rotating it clockwise according to section 7.4.

(4)Other abnormal operation or there is unknown thing inside the IMC01.If something inside the IMC01, you need to open the back cover to check, and clean the internal sensors.

7.4 Feeding Gap Calibration



Figure 7 - 12 The Adjustable Screw

The screw is used to control the width of the feeding gap. The width will become smaller by rotating the screw toward the smallest dot, otherwise, it will become bigger.

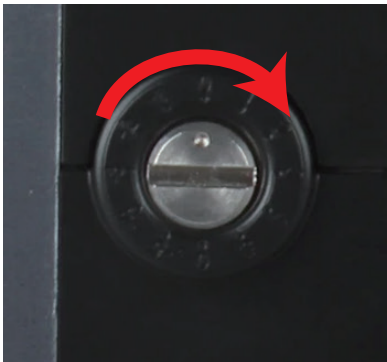


Figure 7 - 13 Rotate the Screw to Increase the Feeding Gap

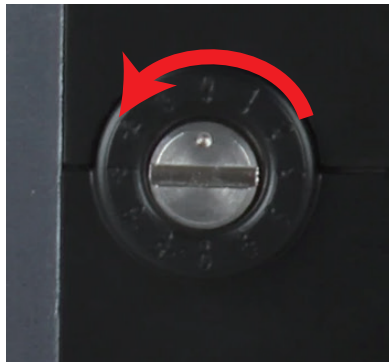


Figure 7 - 14 Rotate the Screw to Decrease the Feeding Gap

Please fine tune the feeding gap by the following steps.

(1) Stop the auto counting first.

(2) Insert one banknote to the gap between the rollers to check if the banknote can be inserted smoothly, as shown in the following.

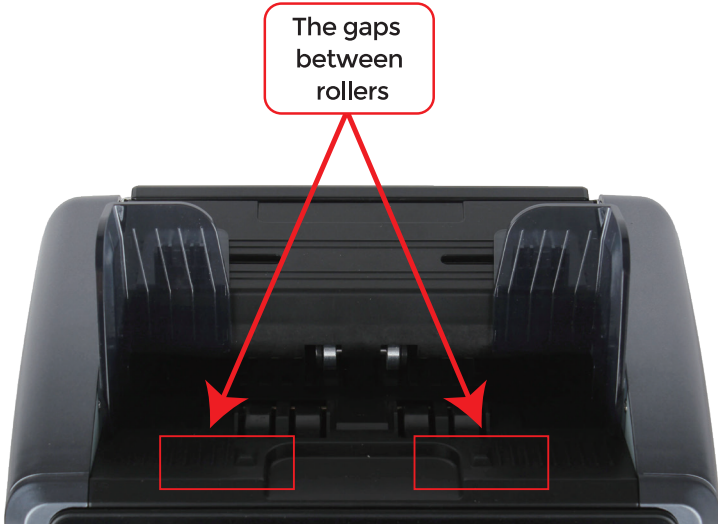


Figure 7 - 15 The Banknote Feeding Gap



Figure 7 - 16 One banknote to Check the Gap between the Rollers

(3) If the banknote is hard to insert, that means the feeding gap is too small, please rotate the screw clockwise until the banknote can be inserted smoothly. If the feeding gap is so large that two or more banknotes can be inserted to the feeding gap, please rotate the screw counterclockwise until the gap can just allow one banknote inserted.

(4) Use the banknote to check the other sides of the gap between rollers, to make sure the banknote can be inserted into both sides of the feeding gap smoothly.



Figure 7 - 17 One Coin to Rotate the Screw

Tips: you can just use one coin to rotate the screw.

Having the correct feeding gap adjusted will ensure a smooth counting as well as a trouble-free operation. Trial and error attempts are recommended before you make the final adjustment and start the count.

You may also perform this adjustment when the banknotes are not fed smoothly through the machine or several error messages are occurring too often like Bill Double Error, Chain Notes Error or Half Notes Error.

Other reasons that might require to readjust the feeding gap are:

- The counting of new or mint condition notes
- The counting of poor or bad fitness condition notes
- Polymer notes and Paper-made notes counted together

7.5 CIS Calibration

CIS calibration is needed when there are many errors during the banknote counting process.

(1) Please enter the menu interface. And go to the service menu with the password "9999", as shown in the following figures.

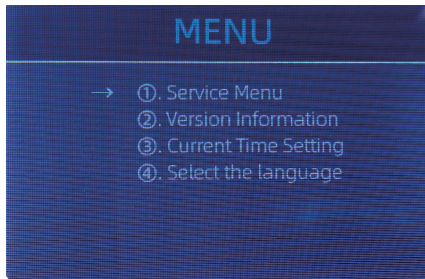


Figure 7 - 18 Main Menu

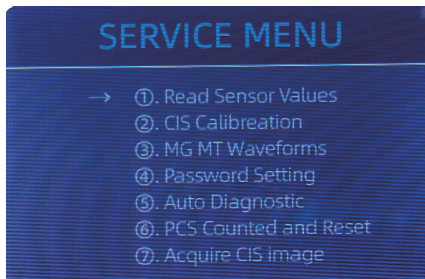


Figure 7 - 19 Service Menu

(2) Click the "CIS Calibration" option, the screen will be shown in the following figure.

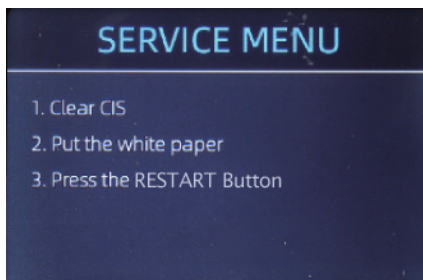


Figure 7 - 20 CIS Calibration Interface

(3)Open the back cover to clean the CIS sensors with cleaning cloth.



Figure 7 - 21 Open the Back Covers



Figure 7 - 22 Clean the Lower CIS



Figure 7 - 23 Clean the Upper CIS

(4)Put the CIS calibration paper (white paper) inside, and close the back covers.



Figure 7 - 24 Place the CIS Calibration Paper

(5)Start CIS calibration by pressing the “RESTART” button.

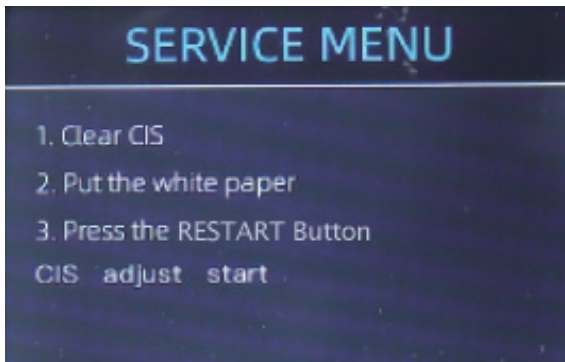


Figure 7 - 25 Start the CIS Calibration

(6)After finish, just take the calibration paper out and close the covers, and then turn off the machine.

(7)Turn on the machine to finish the CIS calibration.

7.6 Back to Default Setting

After fine tuning the screw and CIS calibration, if there are still some errors or the counting is still not correct, returning to the factory default setting mode is required.

(1) Enter the menu interface, and go to the service menu with the password “9999”, as shown in the following figures.



Figure 7 - 26 Service Menu

(2) As shown in above figure, choose “⑪. Back to Default Setting” and enter the menu key. It will enter to the following display on the screen.



Figure 7 - 27 Default Setting Interface

(3) Press the RESTART key, the counter will reset all the changed settings before.

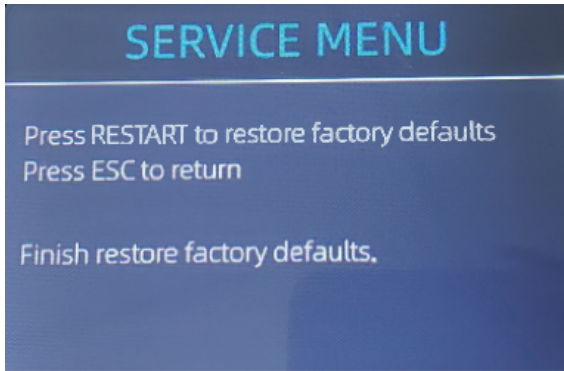


Figure 7 - 28 Default Setting Guide

(4) Go back to the main screen, and use your finger to touch the hopper sensor. The processing wheels and rollers in the counter will run for a while.



Figure 7 - 29 Touch the Hopper Sensor

7.7 Sensor Errors

The banknote counter will take a few seconds to conduct a self-check with spinning the counting wheels after power on. The counter will check the sensors, the following errors may happen if the sensors have been blocked or damaged.

7.7.1 Hopper Sensor Error

If the wheels in the hopper is always spinning, and then stop with the “hopper sensor error” or “main motor error” indicated on the screen, that means the hopper sensor is too sensitive.



Figure 7 - 30 Use Marker Pen to Decrease the Sensitivity of Hopper Sensor

Please use the marker pen to paint a little on the hopper sensor as shown in the above figure.

If the wheels don't move when you place the bill on the hopper by enabling the auto counting, that means the hopper sensor doesn't work.

7.7.2 Stacker Sensor Error

If the impeller is always spinning, or the “stacker sensor error” indicated on the screen, that means the stacker sensor doesn't work or too sensitive.

7.7.3 Counting Sensor Error

If the number of banknote counting is always not correct, or the “Main Motor Error” is shown on the screen, that means the counting sensor error doesn't work. Please clean the machine first.

8.0 Technical Parameters

Table 9-1 Technical Parameters

Counterfeit Detection	Image (2 CIS Sensors), Magnetic, Infrared, Ultraviolet
Error Detection	Double note detection, half note detection, chain note detection
Options	Thermal printer connection
Interfaces	RS-232, 2 × USB, RJ11
LCD Display	3.5 inches TFT LCD display, 320×480
Keypad	Button Keypad
Hopper Capacity	400-500 bills
Stacker Capacity	200 bills
Counting Speed	800, 1000 pcs/min (MDC & SDC MODE)
	800, 1000, 1200 pcs/min (CNT MODE only)
Size of Countable Notes	50x110 ~ 90x190 mm
Thickness of Countable Notes	0.075 ~ 0.15 mm
Power Consumption	≤80W
Power Supply	AC 100-240V ±1 0%,50/ 60 Hz
Weight	6.5 kg
Dimension	265 × 235 × 230 mm

Designed in Dubai / Made in China

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