# IMC40 Banknote Counter

**Maintenance Manual** 

# MUNBYN

MORE CHOICE FOR YOUR GROWING BUSINESS

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## 1.0. How to disassemble machine



## Motice:

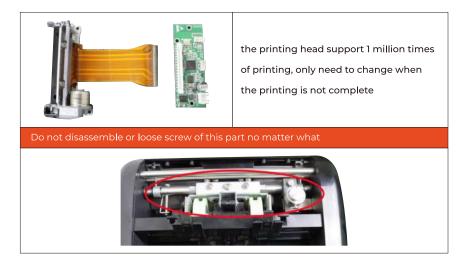
When you receive the package, open and check the packing list in the package.





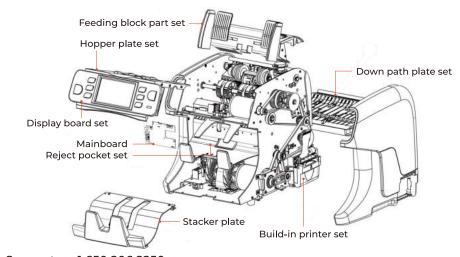


Support: +1 650 206 2250



## 2.0. Machine explosive

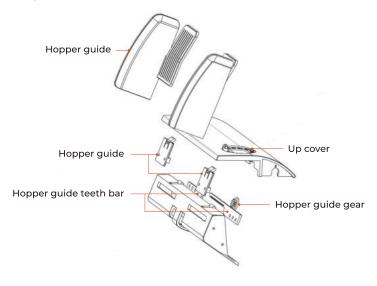
## I Whole machine explosive

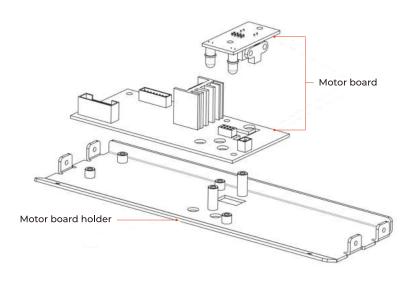


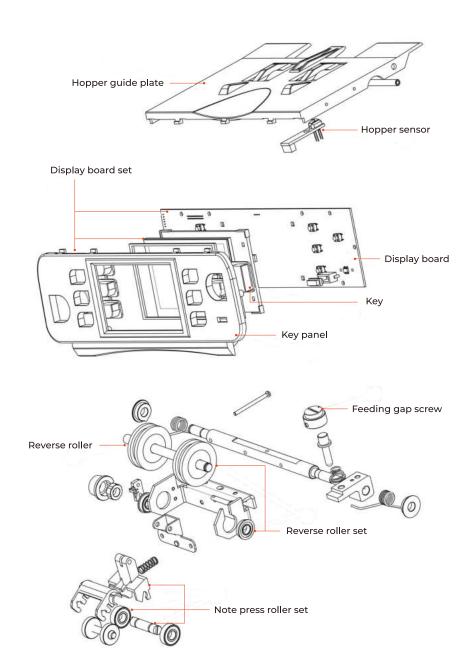
Support: +1 650 206 2250

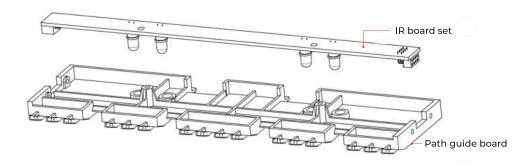
6

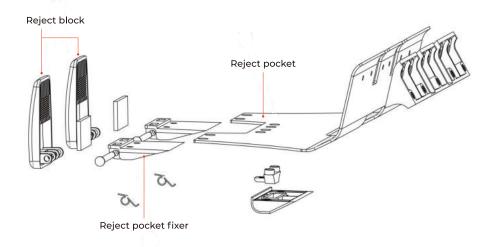
## I Feeding block part set

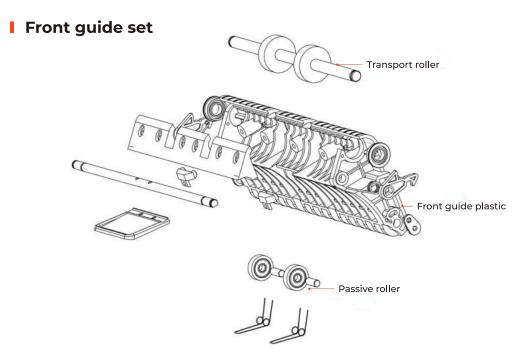


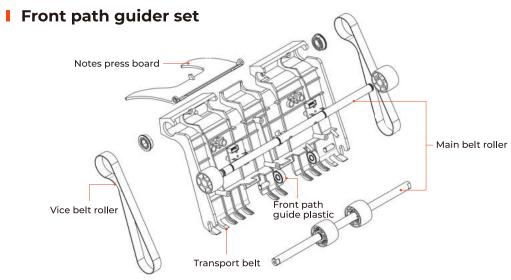


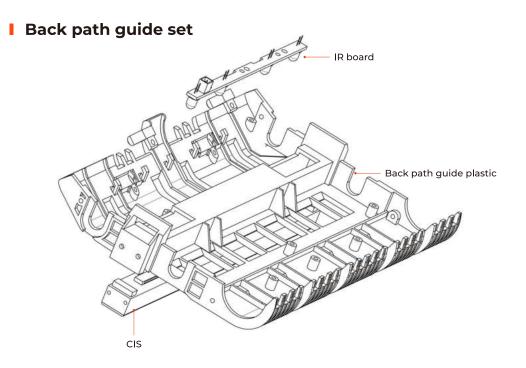




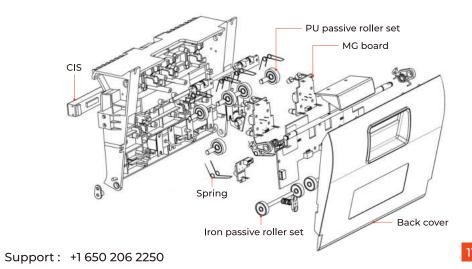




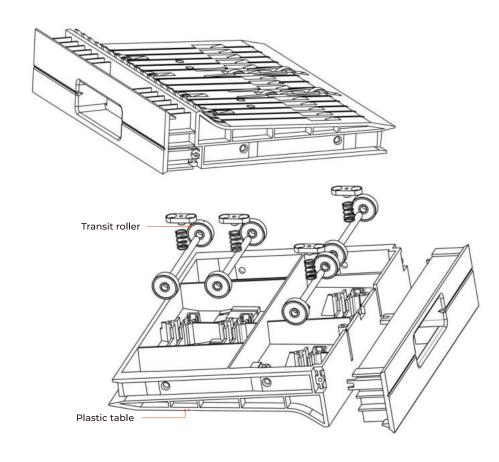


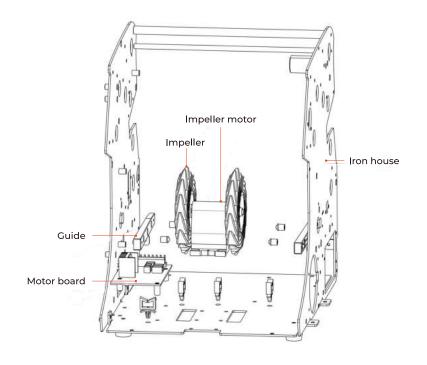


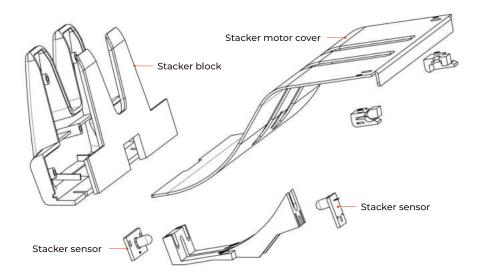
## Detection table

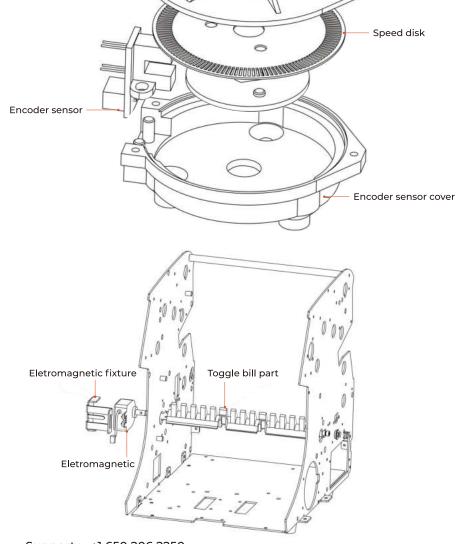


### I Transit table







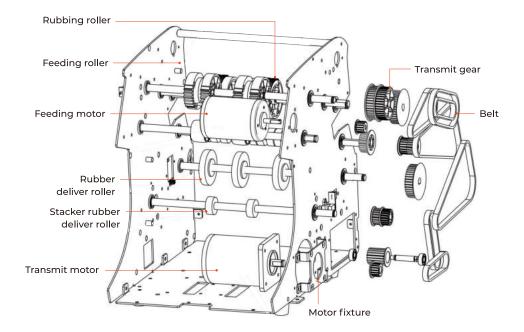


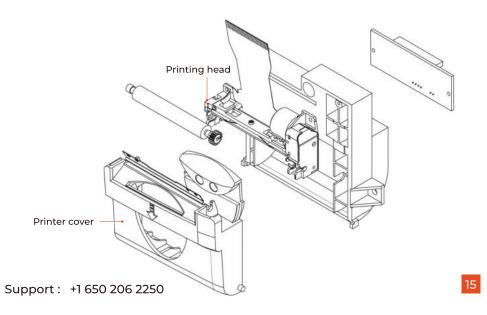
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Su

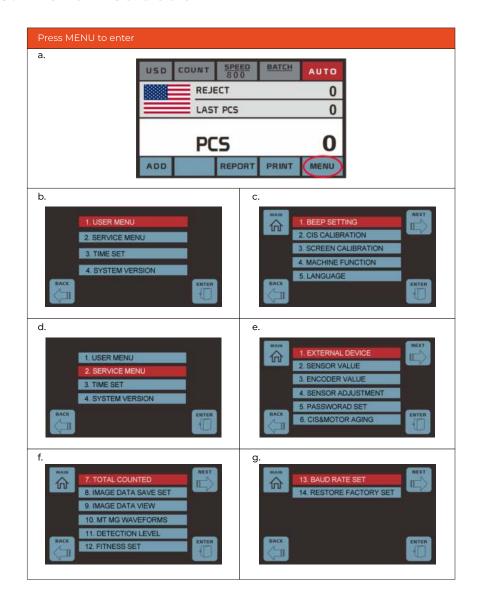
Encoder sensor cover

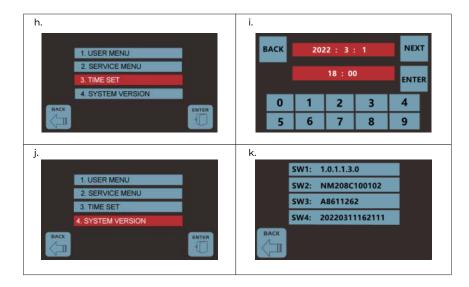
### MUNBYN

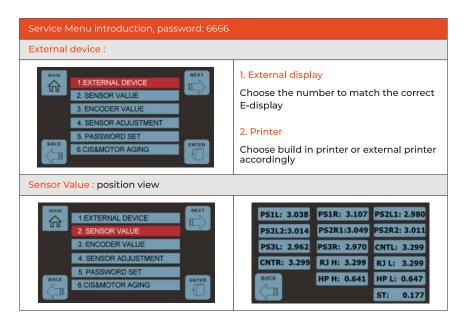


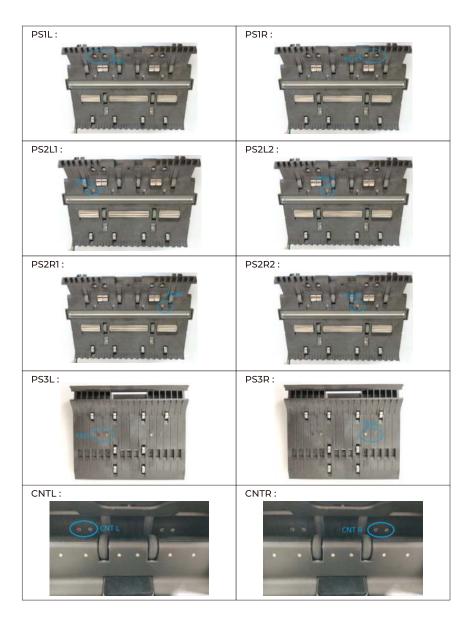


## 3.0. Menu instruction









#### RJ H +RJ L:



#### HPH+HPL:



ST:



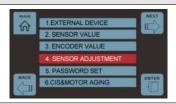
 $\triangle$ 

Notice: When above sensors covered by notes or other dirt or the sensor damaged, the value will show red, please check the Corresponding position of sensor situation.

#### Encoder Value:



#### Sensor Adjustment:



Calibrate the reject pocket sensor value by press the Enter key

#### Password Set:



#### CIS & Motor Aging:



Enter to start aging test, and also to check the electronic magnetic function once BC error happens

#### Total Counted:





Be careful with this function, it will clear the total counted pieces record and can not get it back.

#### Image Data Save Set:



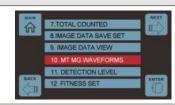
1.Save counted image
(save all image that counted)
2.Save OCR image
(save serial number image only)
3.Save error image
(save the image that machine gives error)

#### Image Data View:

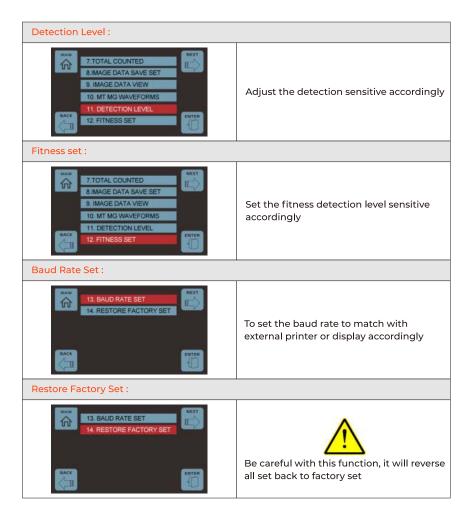


To check the image data if has problem

#### MT MG Waveforms



To check the MG wave of the notes



## 4.0. Common Issue reference

## I Feeding issue

Problem Description :	Machine happens feeding hardly, double error, chain error, skew error, jam issue, miss counted
Reason :	Feeding gap is not in a properly distance
Solution :	Adjust the feeding gap to the properly distance as following picture shows
	1. large feeding gap caused double and chain  2. Anti clockwise adjustment banknote pass through
	1. too less feeding gap caused feeding speed slow down 2. clockwise adjuntment bankinote pass through

## **I** Electromagnetic issue

Problem Description :	1. Machine happens BC error 2. jam issue 3. PS2 4. PS3
Reason :	Electromagnetic reaction problem
Solution :	Check the shelf holder of electromagnetic if loosen     Check the electromagnetic itself can be movable     The plastic of toggle bill part if change of shape during using

## Display issue

Problem Description :	Machine display happens splash screen     white screen or no response when touching it     The count remain 0 during counting
Reason :	Display itself problem     Display board has unsolder problem     Mainboard problem
Solution :	Replace the display     Replace the display board     Replace mainboard

## **Mainboard** issue

Problem Description :	1. Machine display happens splash screen 2. CIS calibration failed 3. Too much error happen 4. Mainboard error 5. Machine doesn't count
Reason :	Mainboard chip damaged or unsolder problem
Solution :	Replace the mainboard

## I CIS issue

Problem Description :	All notes rejected     CIS calibration failed
Reason :	CIS or CIS cable damaged
Solution :	Replace CIS

## 5.0. Error list& Trouble shooting

## I Feeding issue

ERROR	REASON
E1: UV Error	Note doesn't have UV
E2: Double Error	Double or Multi notes passed together
E3: Chain Error	Double or Multi notes counted in chain
E4: Skew Error	Note counted skewed too much
E5: Full	Reject pocket or Stacker full
E6: Half note Error	The note is not complete
Interval Error	The distance between two notes passed by is too short
Width Error	The width of note incorrect
Signal T Error	Signal transport problem
Data Process Error	Data processing over time limit
Denomination Error	Denomination don't match with count set
Image Error	Counterfeit or Data recognize problem
Face Error	Face of note doesn't match with count set
Orientation Error	Orientation of note doesn't match with count set
DOI Error	Date of Issue for note doesn't match with count set
Version Error	Version of note doesn't match with count set
MT Error	Note has magnetic problem
MT2 Error	Note has magnetic problem
MG1 Error	Note has magnetic problem
MG2 Error	Note has magnetic problem
MG3 Error	Note has magnetic problem
MG4 Error	Note has magnetic problem
S.Skew Error	Super skew of note
IR Error	Note has IR (transmit and reflection)problem

### 6.0. Fcc caution

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### 7.0. Contact us





Scan the QR code for Facebook and WhatsApp online chat

Email: support@munbyn.com (24-7 online support)

Website: www.munbyn.com (how-to videos, warranty details)

WhatsAPP: +86 18144898200 Skype: +1650 206 2250

MUNBYN provides 18 months warranty and lifetime free service. If you encounter any issues with the product, please contact the MUNBYN team to promptly receive troubleshooting tips or a replacement.