

Instruction booklet

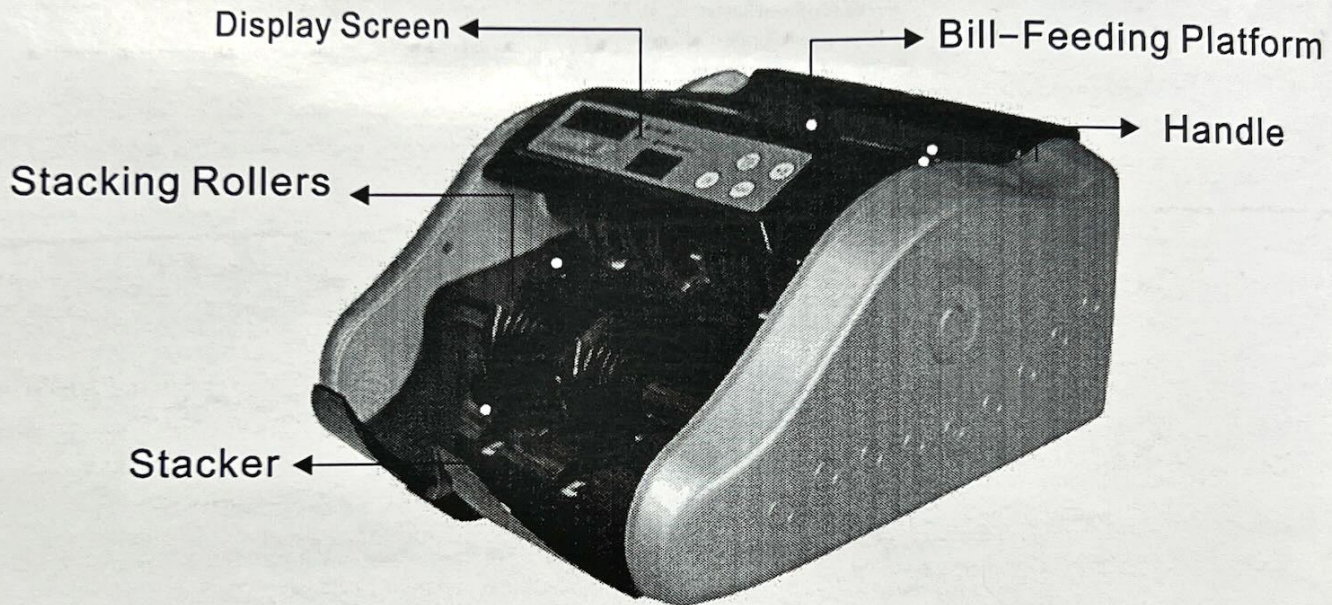
NT-100
BILL COUNTER



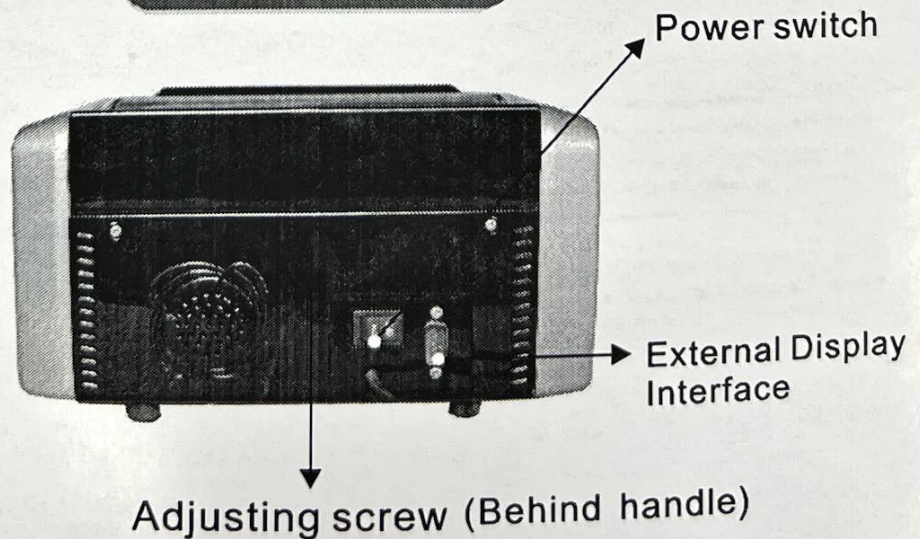
NAMI TARAZ COMPANY
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Before you start to use this counting machine, please browse this booklet to know about its components, functional features, operating methods, technical parameters, repair and maintenance, trouble shootings and other information, in order to avoid the the loss caused by your improper operations.

Front view



Back view



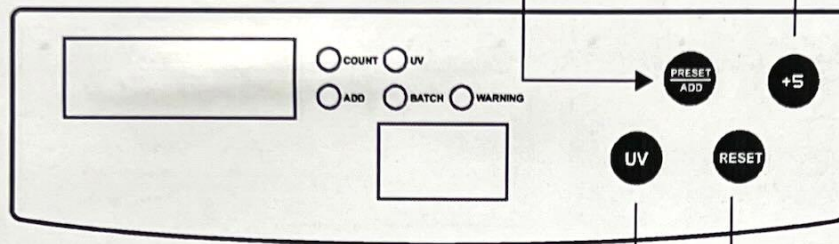
This Adjusting Screw will be used to adjust the gap between the Feeding Rollers and Resisting Rubber Sheets, to make the counting process smooth and correct.

Turn clockwise to reduce the gap, and counter-clockwise to increase the gap. If the gap is too small, the notes are very difficult to be fed. If the gap is too big, several bills will be fed together. Thus the counting error occurs.

Display Screen

"ADD/PRESET" button,
used to activate ADD, BATCH
function in turns with indicators.

" +5" button,
used to increase the
batch counting number by 5.



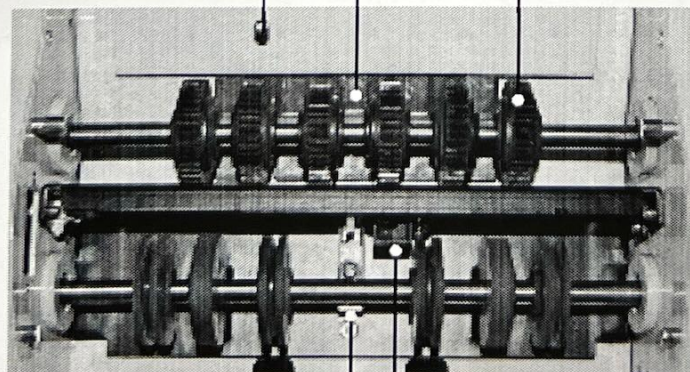
"UV" button,
used to activate the UV counterfeit
detection system, with a LED
indicator on the panel.

"RESET" button,
used to reset the machine to
be a "ready for count" status.

Resisting rubber sheet

Starting Sensor

Feeding Rollers



Counting Sensor

UV Sensor

How to start

Please check the voltage rating of the machine you bought. Insert the power plug into the right socket with right power. Switch ON the machine, and it will diagnose by itself. If there is no abnormal alarm on the display, and one beep sound is given, it means the machine finishes self-diagnosing without any problem. Then you can start to use it.

Functional Feature

This machine has the features of automatic start & stop, add & batch(preset) counting mode, ultraviolet counterfeit detection, and self diagnosing.

Function Setup

When the machine is on for counting, the indicator light "COUNT" is on. In such a status, it can count any kind of paper currency, but only the number. In the UV status, the indicator light "UV" is on. At this time, it also can count any kind of paper currency with the ultraviolet rays for differentiation. If any fake currency is detected during the process of counting in the UV status, the machine will automatically stop the operation and give an alarm. Meanwhile, the display shows the code of alarm (UV code: E02). If there is a wrong alarm about the true currency or no alarm about the fake currency during the process of counting, adjust the UV sensibility.

When the machine is on, strike PRESET/ADD to initiate the function of preset. The indicator light "PRESET" will be on and the display shows the preset number. In such a status, strike +5 to add five pages each time, and then strike PRESET/ADD to close the function of PRESET and open the function of ADD. The indicator light "ADD" will be on and the number of pages for counting will continue adding.

Operational Methods

When the machine is ready to count, put the banknotes in a correct order onto the platform. The counter will start to count automatically when the banknotes cover the starting sensor. After all the banknotes come to the stacker, take them away from the stacker.

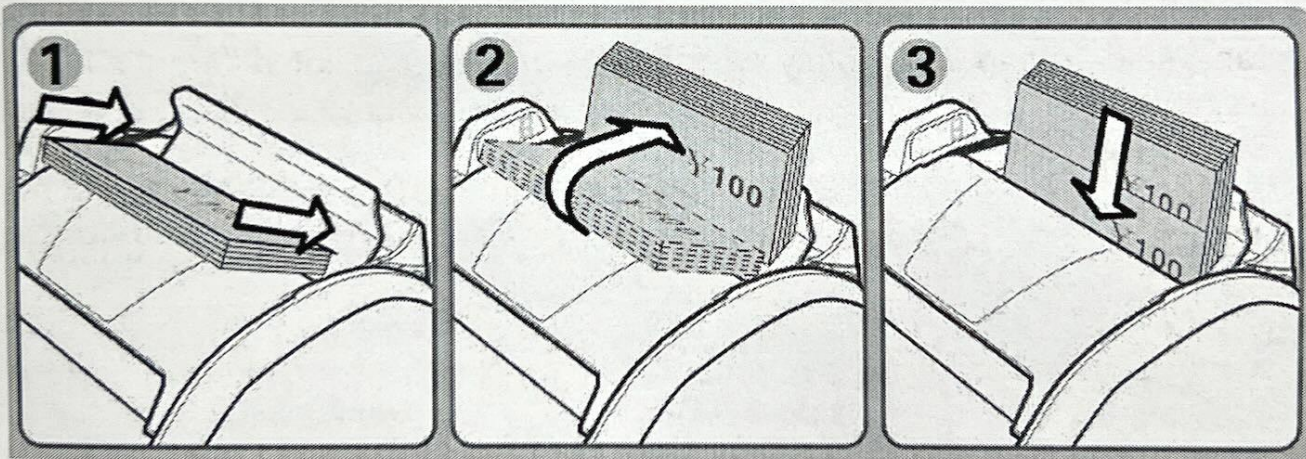
If you want to double count the batch of banknotes taken from the stacker of the machine, put the banknotes again onto the counting platform. And meanwhile, the former counting result will be switched from the big LED display to the sideward smaller LED display for the purpose of comparison.

If the machine catches a suspected banknote during counting, it will pause automatically, with different related alarms in LED display, together with beeper. If that, take away the newest banknote in the stacker, and press "Reset" key to continue.

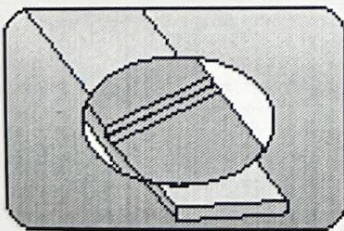
Attention HOW TO PUT THE NOTES CORRECTLY?

Refer to the following illustrations:

- 1) Make the bills in order, put them on the top part as a holding support, like ILL 1.
- 2) Push the bills forward to make the bills standing on the platform with a natural slant, like ILL 2.
- 3) The feeding rollers will always feed the first bill on the platform.
- 4) If the rollers feed several bills together, you have to adjust the feeding gap via the Adjusting Screw. Please refer to Page 1.

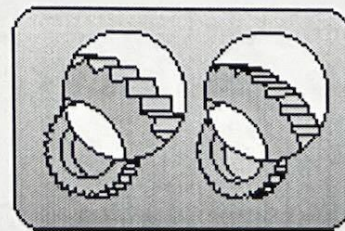


Replacement of wearing parts and processes



How to know if the resisting rubber sheet has worn down.

When the resisting rubber sheet wears down, it must be replaced. Drag out carefully the middle whole plastic part where the display is, press the counting platform, and take out the worn rubber sheet for replacement. And then revert the steps to assembly.



How to know the rubber roller has worn down.

When the take-bill-in rubber rollers get worn, the counter can't work correctly. Then the rollers should be replaced with new ones. Drag out carefully the middle whole plastic part where the display is, disassemble the left & right cabinet covers, take out the roller draft and replace them.

Trouble shooting

Failure	Cause	Removal Methods
The count result is less than the real quantity	The gap is too big between the take-bill-in rollers and the resisting rubber sheet	Adjust the screw on the feeding platform to reduce the gap mentioned
	The take-bill-in rollers are worn out and so is the resisting rubber sheet.	Replace them with new ones
	The counting sensor may have collected dusts.	Clear the counting sensor
Can't automatically reset, and alarm "2" after diagnosing when startup.	The stacker sensor may have collected dust, or is damaged.	Clear or replace the stacker sensor
Can't count, and alarm "3" after diagnosing when startup	The counting sensor may have collected dust, or is damaged.	Clear or replace the counting sensor.
Can't work after turn-ON	The fuse is blown out.	Replace the fuse
	No power connected	Check the connecting points of all electric wires
	The transformer is damaged.	Replace the transformer
Motor doesn't work, while the display works	Wiring is defective, or disconnected.	Check all the connecting points
	Transmission strap is broken.	Replace transmission strap
	The motor is broken.	Replace the motor
The machine fails to give an alarm on UV-fake notes at a specific UV sensitivity	The UV sensor may collect dust.	Clear the UV sensor
	The UV sensitivity is too low.	Re-adjust the UV sensitivity
	The UV sensor is ageing, or is damaged.	Re-adjust the UV sensitivity or replace the UV sensor
The machine gives an UV alarm on genuine notes, or alarm "6" after diagnosing when startup	The sensitivity is too high	Re-adjust the UV sensitivity
	The machine is working directly under the strong light.	Move the machine into a place not directly under the strong light
	The UV sensor is damaged.	Replace the UV sensor

Technical Parameter

Power supply: 110VAC 60HZ, or 220VAC 50HZ
(please refer to the nameplate on the machine)
Power consumption: < 60 Watts
Counting speed: > 900 bills per minute
Applicable note size: 50*100 - 90*185 mm
Applicable note thickness: 0.075 - 0.15 mm
Hopper capacity: 200 new bills
Stacker capacity: 200 new bills
Ambient temperature: 0 - 40 degree centigrade
Ambient humidity: 40 - 90%RH
Unit size: 280 * 250 * 150 mm
Unit weight: 5.0 kgs

Notes

1. The machine should be put indoor in a ventilated space and avoid the direct strong light which may affect the mistake of UV counterfeit detection.
2. The power plug of the machine must be inserted into a safe power socket with grounding line.
3. The power voltage of the machine must be within +/-10% tolerance of the rated voltage. Otherwise, the machine will not start work, or get burnt.
4. All the bearings used in this machine is self-lubrication type. Thus you don't have to add any lubricating oil.
5. There is a fuse rated 2A/250V used inside the machine to protect the user. In case it's burnt, and you have to replace it, don't use any fuse rated higher than this parameter.
6. In order to keep the machine working correctly, please clean the machine once every week, especially the pathway and every sensor area, with a cotton cloth or with an air sprayer.
7. Do not place and use the machine in a humid place, because it will cause the current leakage of electric shock.