EB-300/310
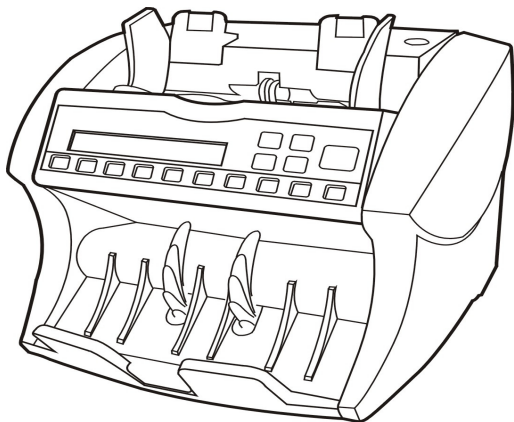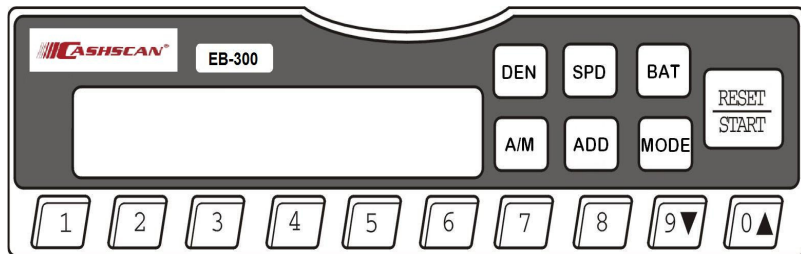
Operation Manual
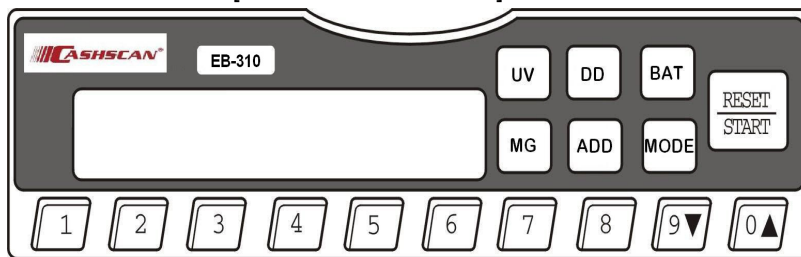

1. Overview

1-1. General Overview

① CONTROL PANEL
② HOPPER
③ HOPPER GUIDE
④ STACKER
⑤ THICKNESS ADJUSTMENT SCREW

1-2.   Control Panel

[EB-300 Control Panel]

[EB-310 Control Panel]

① RESET/START : RESET & START BUTTON
② BATCH : PRESET NUMBER OF NOTES
③ SPD : MACHINE SPEED
④ ADD : ACCUMULATED NUMBER COUNT
⑤ UV : ULTRA VIOLET DETECTION
⑥ MG : MAGNETIC DETECTION
⑦ DD : DIFFERENT SIZE DETECTION BY HEIGHT
⑧ DENSITY : DENSITY LEVEL
⑨ A/M : AUTOMATIC & MANUAL COUNT
⑩ MODE : MACHINE SET-UP

2. Function of Control Panel

2-①.   RESET / START

This button can be used to reset number of counting result shown on the display or error messages or to start the machine operation.

2-②   BATCH

Expected the BATCH size of note numbers will be selected. When reaching the BATCH number the machine stops operation.

2-③   SPD (For EB-300 Only)

It is the SPEED button which has 4 different speeds as shown under..

L-1 :   900 notes per minute
L-2 :   1,200 notes per minute
L-3 :   1,500 notes per minute
L-4 :   1,800 notes per minute

2-④   ADD

When pressing ADD button the accumulated total of notes will be shown on the display when they have been counted.

2-⑤ UV (For EB-310 Only)

The Ultra-violet detection function is capable of checking the authenticity of the banknote paper by UV light.

2-⑥ MG (For EB-310 Only)

Magnetic sensor function is to examine the presence of the magnetic composition on the surface of the banknotes.

2-⑦ DD (For EB-310 Only)

When switching on DD it automatically detects the different size of note by height detection based on the firstly scanned note size. However, each of denominations should have more than 3mm difference in height.

2-⑧ DEN (For EB-300 Only)

It has four different density levels as shown under.

        L-1 :   for new notes
        L-2 :   for ordinary notes
        L-3 :   for old and dirt notes
        L-A :   automatically configured level

2-⑨ A/M (For EB-300 Only)

When A/M button is on machine will be starting automatically in case the hopper sensor detects any notes placed. In case of A/M button is off the machine is running manually whenever RESET/START button is pressed.

2-⑩ MODE

When pressing "MODE" button 5 times you may move to " dAtA Set" showing on the display. Then press MODE button again in order to move to the following mode set-up. You can select each of levels like speed/density/batch/beep on&off/stacker alarm by 9 and 10 button.

      -. Ed-A :   Density Levels
      -. SS-A :   Short & Chain note detection
      -. bt-A :   Batch number preset
      -. bu-A :   Beep on/off
      -. St-A :   Stacker Alarm
      -. SPd :   Speed Change (For EB-310 Only)
      -. At-n :   Auto / Manual Start (For EB-310 Only)

In order to exit the MODE function press RESET/START button.
For the details of the MODE functions you may refer to the SERVICE MANUAL- SERVICE MODE . It shows the way as to how to change each of set-up.

3. Recovery of factory set-up

In case you need to reset all the set-ups you changed or you would like to recover the factory default configuration you may take the following steps.

[FOR EB-300]

3-① press 9 1 1 1 button

3-② press MODE button 10 times

3-③ press RESET/START button

- -

[FOR EB-310]

3-① press 9 1 1 1 button

3-② press DD button 10 times

3-③ press RESET/START button

4. Error Codes

Error Codes	Reason	Solution
E-db	Two notes have passed	Check the Note
E-CH	2 or more notes have passed	Check the Note
E-HF	Half size note has passed	Check the Note
E-JA	Notes are jammed in the M/C	Remove the Note
E-FE	Machine runs but no Notes	Check the Hopper
E-HP	Dirt on Hopper Sensor	Clean the Sensor
E-St	Dirt on Stacker Sensor	Clean the Sensor
E-C1	Dirt on Left Count Sensor	Clean the Sensor Check the Cable
E-C2	Dirt on Right Count Sensor	
E-C3	Dirt on both Count Sensors	
E-En	Encoder Sensor Problem	Check the Sensor
E-Pr	Note Skew (right side)	Count Again
E-PL	Note Skew (Left side)	Count Again
E-CF	UV Error	Fake Note
E-FC	MG Error	Fake Note
E-dd	Different Size Note by Height	Remove the Note
E-So	Short size note has passed	Check the Note

5. Specification

Main Voltage	AC 95~230V 50/60Hz
Power Consumption	40 W
Dimension	255(H) X 270(W) X 260(D) mm
Weight	6 Kg
Document Size	100~185 (D), 60~100mm (H)
Speed	900/1200/1500/1800 per min
Hopper Capacity	300 notes (up to 500 notes)
Stacker Capacity	300 notes

6. Maintenance

6-① When cleaning the Sensors please do not use any Chemicals

6-② Clean the Sensors by soft brush provided periodically

For the details of Operation Manual you may get in touch with
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