

---

# Common Errors and Solutions

## Catalog

1、 Failure of the counting sensor (CE01/CE02) .....	02
2、 Failure of the speed sensor (CE03) .....	02
3、 Failure of the main motor (CE03) .....	02
4、 Failure of the feeding sensor (CE04) .....	03
5、 Failure of the receiving sensor (CE05) .....	04
6、 Failure of the UV sensor (CE10) .....	04
7、 Failure of the led display .....	04
8、 Failure of the 9V motor .....	05
9、 Mis-discrimination while counting .....	06
10、 Mis-discrimination by UV detection .....	06

---

## 1、 Failure of the counting sensor (CE01/CE02)

**Phenomenon:** start the machine and it displays CE01 or CE02; or it appears abnormally during the bill counting process.

CE01: the left counting sensor

CE02: the right counting sensor

### **Method of fault finding:**

Step 1: check if any banknote or paper is covering surface of counting sensor. Check if the counting sensors are clean.

Step 2: check if connection of the emitting lines and the receiving lines of the counting sensor is loosen or has bad contact.

Step 3: replace the counting sensor.

Step 4: replace the main board

## 2、 Failure of the speed sensor (CE03)

**Phenomenon:** start the machine, the main motor is working normally. But the machine displays CE03.

### **Method of fault finding:**

Step 1: check if the speed sensor is clean.

Step 1: check if connection of the wire of speed sensor is loosen or has bad contact.

Step 2: check if the installation position of the feeding sensor is correct; it's required that teeth of the pluse wheel should face right opposite the sensor.

Step 3: replace the speed sensor.:

Step 4: replace the main board

## 3、 Failure of the main motor (CE03)

**Phenomenon 1:** start the machine, the main motor keeps running and do not stop. It displays CE03.

### **Method of fault finding:**



- 
- Step 2: check if the light of the working environment is too strong.
- Step 3: check if the line of receiving sensor is loosen or has bad contact.
- Step 4: replace the feeding sensor.
- Step 5: replace the main board.

## 5、 Failure of the receiving sensor (CE05)

**Phenomenon:** start the machine and it displays CE05.

**Method of fault finding:**

- Step1: check if the receiving sensor is clean.
- Step 2: check if any banknote or paper is covering the bill receiving sensor.
- Step 3: check if the connection of the line of receiving sensor is loosen or has bad contact.
- Step 4: replace the receiving sensor.
- Step 5: replace the main board.

## 6、 Failure of the UV sensor (CE10)

**Phenomenon:** start the machine and it displays CE10.

**Method of fault finding:**

- Step 1: check if the UV sensor is covered by any plain paper.
- Step 2: check if the connection of the lead of UV sensor is loosen or has bad contact.
- Step 3: replace the UV sensor.
- Step 4: replace the main board.

## 7、 Failure of the led display

**Phenomenon 1:** the led display is not working or there is interrupted display or darkened image.

**Method of fault finding:**

- Step 1: check if the connection of the lead of led display is loosen or has bad contact.
- Step 2: replace the led display.



---

## 9、Mis-discrimination while counting

**Phenomenon 1** : just a few of genuine notes are detected as forged notes during one count and it displays erro codes.

**Method of fault finding:**

Step 1: check if your operation is correct when you put the notes into the feeding entrance.

Step 2: check the erro codes according to the warming diagram. Find out why the genuine notes are detected as forged notes.

Step 3: check the notes. Connected, overlapped, deformed or genuine notes without metal strip will be detected as forged notes.

Step 4: debug the machine.

**Phenomenon 2** : a lot of genuine notes are detected as forged notes during one count and it displays erro codes.

**Method of fault finding:**

Step 1: check if your operation is correct when you put the notes into the feeding entrance.

Step 2: check the erro codes according to the warming diagram. Find out why the genuine notes are detected as forged notes.

Step 3: check corresponding components and repaire.