Cash Concepts

CCE 2040 NG

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Introduction

Thank you for choosing our banknote counter CCE 2040 NG. This banknote counter should simplify the processing and accounting of smaller amounts of money. With these devices sorted banknotes can be counted and at the same time checked for counterfeit money. The banknote counters are therefore suitable in the back office area for all chain stores and retailers, i.e. also for smaller amounts of money at the front line in the fight against counterfeit money, e.g. at banks, used car dealers or all other companies where larger amounts of cash change hands at once.

The easy handling of the machine ensures a short training phase without time-consuming instruction.

If you have any questions about our banknote counting machine, we are at your disposal.

Your Team of Cash Concepts

Warnings

General
- Please make sure that no foreign objects (e.g. coins, paper clips) fall into the machine, these can block and damage or even destroy the motors and the sensitive sensors of the machine.
- Please make sure that no ties, hair or clothing get into the banknote feeder during the counting process to avoid injuries and damage to the machine.
- Please make sure that no glued, washed, heavily soiled or damaged banknotes are counted in the machine, these can get caught in the machine and tear.

Power supply
- Only use the device with the supplied power supply.
- Do not use damaged or damp power supplies or power lines.
- Do not connect the power supply with wet hands.
- When changing the fuse, the machine must be completely disconnected from the power supply to prevent electric shock.

Maintenance
- Always switch off the appliance for cleaning.
- Clean the device with a dry cloth. Do not use wet or damp cloths or cleaning agents.
- Do not spill liquid or spray chemicals on the unit. If any liquid has spilled on it, unplug the power cord from the wall outlet and contact your dealer.

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Description

Front View	Rear View
1. Banknote limiter 2. Feeder 3. Carrying handle 4. Display / panel 5. Banknote conveyor wheel 6. Stacker / stacker sensor	7. Adjusting wheel for contact pressure 8. Type plate 9. Serial number 10. Connection for external display 11. On / off switch 12. Power connection 13. Fuse

- UV / 1: Switching on and off the UV - examination, adjustment of manual batch value
- MG / 2: Switching on and off the MG and MT examination, adjustment of manual batch value
- IR / 3: Switching on and off the IR - examination, setting of manual batch value
- DD / 0: Switching on and off the Double Note check, setting manual batch value
- CUR / 4: Currency selection, manual batch value setting
- + / 5: Increase of value for PSVC counting, setting manual batch value
- SET / 6: Switching on manual batch value, setting manual batch value
- - / Batch: Reduction of the value for PSVC counting, selection of preset batch values and switching off the batch function
- ADD / 7: Switching the addition function on and off, setting manual batch value
- Manual / 8: Selection between automatic and manual start, setting of manual batch value
- Value / 9: Switching PSVC counting on and off, setting manual batch value
- Start: Starting and stopping the counting process

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Initial operation

Please observe the following instructions when commissioning and using the machine in order to obtain an optimum counting result.

- Connect the power plug to the socket.
- Now connect the power cord to the machine and switch it on at the back of the machine. The machine will then perform a self-test.
- Push the sorted banknotes on a straight surface, so that the notes are flush on one long side. Now place the banknotes vertically in the banknote area so that they lean against the carrying handle. Now tilt the banknotes to the back. In this way you ensure an optimal feeding of the banknotes. If the banknotes are not inserted correctly, this can lead to miscounting or non-recognition and sorting of banknotes.
- By pressing the red start button the counting process is started.
- If a banknote is not correctly recognized or suspected to be counterfeit, the machine stops the counting process. The suspicious banknote is in the stacker as the top note and can then be removed and checked again separately. The machine also alerts you with the red illuminated display (see following picture) and an alarm sound about the stop. By pressing the red start button, the counting process is continued.

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Setting and function

- **PSVC – Pre-Selected-Value-Counting**
  The CCE 2040 NG offers you the possibility to display the total value of the sorted banknotes in addition to the quantity. Press the VALUE button and the selected value of the banknotes to be counted will be shown in the lower left corner of the display. You can change this value with the buttons "+ / 5" and "- / Batch". The following values are possible for this counting: 5 / 10 / 20 / 50 / 100 / 200 / 500. Press the "CUR" button to switch off the PSVC counting.

  Note: The PSVC count cannot be used simultaneously with the batch count.

- **Addition**
  The counting machine has an addition function with which several stacks of banknotes can be counted one after the other and the results are then added up. By pressing the "ADD/7" key, you switch this function on or off. In the display the activated function is indicated by ADD.

- **Batch**
  With the counting machine you have the option of entering an individual counting stop or selecting a pre-programmed value. When the set batch value is reached, the machine stops the counting process. If the counted notes are removed from the stacker, the machine will continue to count the remaining notes until they have completely run through or the batch value is reached again.

  Press the "-/BATCH" key to recall the preset counting stops (100-50-20-10-off).
  By pressing the "-/BATCH" key followed by "SET/6" you activate the numeric key function and can enter the desired batch value. Press the "-/BATCH" key again to deactivate the counting stop.

- **Automatic / manual start**
  With the banknote counter, you can choose between an automatic and a manual start of the counting process. By pressing the "MANUAL / 8" key, you can switch back and forth between the variants. The display shows the selected option (MANUAL or AUTO).

- **Setting the counterfeit detection**
  UV testing:
  Press the "UV / 1" key to switch counterfeit detection based on UV features on and off. The active status is indicated by UV in the display.
  MG/MT check:
  By pressing the key "MG / 2" the counterfeit detection based on MG/MT features can be switched on and off. Pressing once activates both the MG and the MT check. Pressing it again first switches MT and then MG off. The active status is indicated by the message on the display.
  IR check:
  Pressing the key "IR / 3" the counterfeit detection based on UV features can be switched on and off. The active status is indicated by UV in the display.
  DD check:
  With the DD check it is possible to look for a smaller banknote in a sorted stack (e.g. if there is a 5 Euro bill in a stack of 20 Euro bills). The difference in size between the two banknotes must be at least 5 mm in order to detect the different note.

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Currency selection:
Use the "CUR / 4" key to toggle between the Euro and US Dollar count. Due to the universal software of the CCE 2040 NG it is also possible to process other currencies, which are identical in terms of security features, in this mode. The machine <u>does not</u> stop at a foreign currency as long as the activated security features are recognized. By activating and deactivating individual security features to be checked, the CCE 2040 NG can be used as a universal banknote counter.

Mechanical settings
Due to transport and wear of the transport rollers in the hopper area, readjustment of the banknote feeder may be necessary. On the back of the machine there is an adjusting wheel, by turning the wheel the contact pressure on the banknotes can be changed.

If the machine feeds not only one but also several banknotes, please turn the adjusting wheel in direction of the "-" sign.

If the banknotes are fed into the machine badly or at an angle, please turn the adjusting wheel in direction of the "+" sign.

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Error management and maintenance

The CCE 2040 NG is equipped with a comprehensive error management system to inform you about problems during money processing and counterfeit detection, but also to draw attention to sensor contamination. Please pay particular attention to the instructions for cleaning the machine given below in order to rule out errors caused by contaminated sensors and to achieve optimum results when counting banknotes.

Error message

Error message	Error Cause	Troubleshooting
UV Error Error Code: A Error Code: CE1	Security feature not recognized	1. Remove the banknote from the stack and continue the counting process by pressing the red Start button. 2. count the rejected banknote again at the end. If the banknote is displayed again, please check its authenticity and integrity. The washing of banknotes can falsify the UV signature. 3. if the UV error occurs more often, please clean the sensors and make sure that no direct light shines through bright lamps into the sensor area.
MG Error Error Code: b Error Code: CE7	Security feature not recognized	1. Remove the banknote from the stack and continue the counting process by pressing the red Start button. 2. count the rejected banknote again at the end. If the banknote is displayed again, please check its authenticity and integrity. 3. If the MG error occurs with you more often, please clean the sensors.
IR Error Error Code: C Error Code: CE3/CE4	Security feature not recognized	1. Remove the banknote from the stack and continue the counting process by pressing the red Start button. 2. count the rejected banknote again at the end. If the banknote is displayed again, please check its authenticity and integrity. 3. if the IR error occurs more often, please clean the sensors and make sure that no direct light shines through bright lamps into the sensor area.

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Error message	Error Cause	Troubleshooting
Format Error Error Code: F	Error in banknote format recognition	1. Remove the suspect banknote from the stack and continue the counting process by pressing the red Start button. 2. Check if the note is folded, creased or damaged.
Error Code: CE5 (Hopper) Error Code: CE8 (Stacker)	Sensor error	1. Switch off the counting machine and disconnect it from the mains. 2. Remove all banknotes still in the machine. 3. Clean the machine according to the manual and remove any foreign objects.
Error Code: CE2	Sensor Disc	If the fault cannot be eliminated by cleaning the machine, please contact a service partner.

Cleaning of the sensors

The banknotes and the dust that settles cause deposits to form in front of the machine's sensors. This contamination leads to increased sorting out and non-recognition of genuine banknotes.

Therefore, please clean the sensors of the machine at regular intervals. When cleaning the machine, generally switch off the machine and pull the power plug.

To clean the sensors of the machine better, please proceed as follows. Reach under the banknote limiter and the carrying handle. Now you can pull this area slightly upwards. This gives you better access to the transport and sensor area.

With a soft brush and cloth you can remove the coarse dust deposits from the sensors in the hopper and stacker area and from the banknote transport wheels. For cleaning the counterfeit sensors we recommend the additional use of a non-flammable compressed air spray to remove dirt and fine dust even in inaccessible places.

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Changing the fuse

The counting machine is protected by a fuse, which can be easily replaced by you if necessary.

Before replacing the fuse, please switch off the machine and unplug the power cord from the machine. Failure to do so may result in danger to life due to electric shock.

Remove the fuse cover and replace the fuse with an equivalent one. The fuse cover must be pressed firmly back on after replacement.

Included in delivery

Included in delivery	Optionally available
Manual	Compressed air spray (A007925)
Power Cord	Cleaning cards (A007924)
External display	
Dust cover	
Brush / Spare belt / Spare fuse	

Technical specification

Banknote dimensions:	50 x 100 mm ~ 90 x 180 mm
Hopper/Stacker volume:	300 / 200 notes
Power supply:	AC 230 V / 50 Hz
Power consumption:	80 W (max)
Operating temperature:	0°C - 40°C
Air humidity:	25 - 80 %.
Dimensions:	292 (D) x 248 (W) x 175 (H) mm
Weight:	5,3 kg
Counting speed:	1,000 notes per minute

Contact

If you encounter any problems with your banknote counting machine and cannot solve these problems with the help of the complete manual, please contact your dealer or our service team.

info@cce.gmbh

Please keep your proof of purchase as proof of warranty. The type sticker on the back or underside of the machine with the serial number must not be removed, pasted over, damaged or altered in any other way, otherwise the warranty may be invalidated.

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