

Flex-SERIES
Fully Automatic Dispensers
Operator & Installation
Manual



Flex500, Flex520 and Flex540

PLEASE READ MANUAL CAREFULLY BEFORE OPERATING DISPENSER

Flex-SERIES Fully Automatic Dispensers

Operator & Installation Manual



Flex500



Flex520



Flex540

CONTENT

1 INTRODUCTION	4
1.1 PREFACE.....	4
1.2 PRODUCT SPECIFICATIONS	4
1.3 SHIPPING SPECIFICATIONS.....	4
1.4 ELECTRICAL REQUIREMENTS	4
1.5 GENERAL PRECAUTIONS	5
2 SAFETY INSTRUCTIONS	6
2.1 SAFETY INSTRUCTIONS	6
3 INSTALLATION.....	7
3.1 TOOLS REQUIRED FOR INSTALLATION	7
3.2 UNPACKING AND PLACEMENT	7
3.3 INSTALLATION	10
4 OPERATION	13
4.1 OVERVIEW.....	13
4.2 CAN-TABLE OPERATION	13
4.3 DISPENSING PROCEDURE	14
4.4 AUTOMATIC PUNCHING (OPTION)	14
4.5 CANISTER FILLING.....	15
5 MAINTENANCE	16
5.1 DAILY.....	16
5.2 WEEKLY.....	16
5.3 MONTHLY.....	16
6 TROUBLESHOOTING.....	17
6.1 BASIC TROUBLESHOOTING	17
6.2 ERROR CODES.....	17
7 WARRANTY	23

1 INTRODUCTION

1.1 PREFACE

Thank you for purchasing a CPS Flex-Series dispenser!

The CPS Flex-dispenser is state of the art and designed for exceptional reliability and ease of use. Our innovative design allows the Flex-dispenser to provide many years of reliable service.

This manual will instruct you how to unpack, install, use and maintain your CPS dispenser.

1.2 PRODUCT SPECIFICATIONS

Canister units	FLEX500/520: upto 24, Flex540: upto 32
Canister size	2.5 liter and 5.0L
Canister material	molded polymeric
Canister stirring	per canister stirring, programmable in time and speed
Pump/valve type	Teflon 3-lip piston with stainless steel pump and integrated valve. Long life ceramic valve (No dynamic O-rings) with triangular nozzle
Pump size	2 US fl. oz. / 60ml
Accuracy	1/576 US fl. oz. / 0.05ml
Nozzle closures	integrated
Auto-nozzle cleaning	standard, both immediately after dispensing and automatically when dispenser is not used
Maximum can height	Flex520/540: 40cm, Flex500 upto 45 cm
Can detector	standard
Manual can-table	standard
Electrical can-table	Flex520/540: optional (on other models not available)
Electrical punch	Flex520/540: optional (on other models not available)
Machine dimensions	Flex500: 143H x 79W x 97D (cm), Flex520: 151H x 78W x 96D (cm), Flex540: 152H x 101W x 116D (cm)
Power requirements	230V – 50Hz/60Hz or 115V - 50Hz/60Hz, max 300VA

1.3 SHIPPING SPECIFICATIONS

Dimensions (LxWxH): Flex500/520 : 180H x 80W x 112D (cm)
Flex540 : 180H x 106W x 133D (cm)

Gross weight: Flex500 : 164 Kg
(incl. pallet and box) Flex520 : 190 Kg
Flex540 : 235 Kg

1.4 ELECTRICAL REQUIREMENTS

- 230V – 50/60Hz
- 115V – 50/60Hz
- The dispenser requires a properly grounded AC outlet.
- Max. 300VA

1.5 GENERAL PRECAUTIONS

- Inspect each canister for debris before filling with colorant, clean if needed.
- Before operating, remove shipping bolts, brackets and support mounts.
- The ambient operating temperature should be between 10° and 45°C, non-condensing.
- The dispenser must be placed in a well-ventilated area.
- Ensure the dispenser is located in a dry environment with minimum temperature fluctuations.



WARNING

This product is for use on either a 230-VAC or 115-VAC circuit and has a grounding plug attached. Only connect the product to an outlet having the same configuration as the plug. Do not use an adapter with this product.

In case of instable power supply, we commended to install voltage regulator for your area.

Please note that damage on the machine in done due to instable incoming power this is out of warranty

2 SAFETY INSTRUCTIONS

2.1 SAFETY INSTRUCTIONS



WARNING

Only qualified service personnel is allowed to service and maintain the dispenser. Qualified personnel is considered to be those persons who have received the proper technical training and are aware of the hazards to which they are be exposed.

CPS Color Equipment BV accepts no liability if the SAFETY INSTRUCTIONS are not followed:

Comply with Electrical Codes



All electrical wiring and connections must comply with applicable local codes.

Consult the appropriate regulatory agency for further information if required.

The dispenser's power plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.



DANGER

DANGER – Improper installation of the grounding plug is able to result in a risk of electric shock.

- Do not start the machine if it appears damaged; contact your supplier or service center.
- For indoor use only.
- Top panel must be closed during dispensing, do not attempt to override the door interlock mechanism.
- Before servicing, ensure dispenser is unplugged from the wall socket.
- Connect main power cord to at least a 5 Amp circuit free from any other power equipment if possible.

3 INSTALLATION

3.1 TOOLS REQUIRED FOR INSTALLATION

The only tools needed to install the dispenser are a medium-large Philips screwdriver and an 8 and 13mm wrench/socket.

3.2 UNPACKING AND PLACEMENT

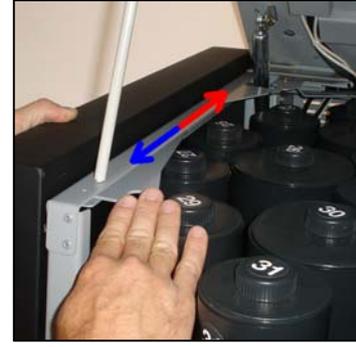
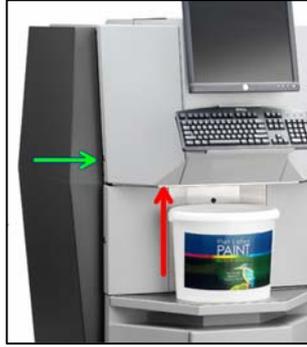
- Inspect entire machine for damage, do not install if damaged. Please contact the transport company directly if damage has occurred during shipping.
- Remove screws and washers from box.
- Remove box and check shipment for completeness.
- Locate the box (on can-table) containing the following items
 - This manual
 - 2 Door keys for 520 model
 - 2 sets of door keys for 540 model
 - Canister labels



OPERATOR MANUAL / Flex-SERIES

Flex540 Only:

- Open the top cover.
Do this by first unlocking the lock on the left or right side (green arrow), then press back the lever (near green arrow) and lift the cover. Secure the cover in the top position with the rod shown in the right image.



- Remove the side panels.
Do this by moving back the slide as indicated in the right image (Red arrow: unlock panel Blue arrow: lock panel).



- Remove shipping fixation screws (red arrows) and wooden filler (blue arrow). Note: Additional screws may be added at the bottom-back of the dispenser.



- **Flex500/520:** Remove shipping brackets located around the feet and at the rear of the dispenser.



- Carefully remove the dispenser from the pallet.

- Open the rear panel by removing the screws from the rear.



The Flex500 has 2 rear panels. Open the top one for access he red shipping bracket

- Remove the red transport-bracket!



- Lead the power cable out of the machine and place back the rear panel.

OPERATOR MANUAL / Flex-SERIES



- After the dispenser has been removed from the shipping pallet, ensure the dispenser is installed on a **level surface**. Adjust the front feet to stabilize and level the dispenser.

3.3 INSTALLATION



CAUTION

Do not attempt to operate dispenser with covers open. On the Flex520/540 a top cover interlock is provided to prevent the unit from operating with full force with the top cover open. Do not modify or bypass the interlock as injury may result from accidental contact with moving parts.

Do NOT connect the dispenser to a power socket until instructed below!

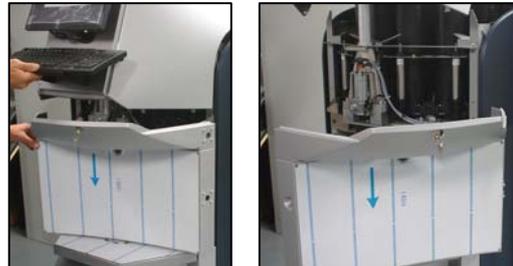
Do NOT turn the turntable manual when the dispenser is powered on! This may cause injury or damage to the dispenser.

Before proceeding with the installation, ensure all colorants are available for immediate use (minimum 1 liter / quart Gallon for each colorant)

Perform the following steps to prepare the dispenser for first use:

1. Ensure the red transport bracket has been removed (see previous paragraph).

2. Open front and top service door with supplied key.
Flex520: unlock the top service door and lift it a few centimeters/inches before pulling open the front door.
Flex500: open the lower and upper rear panel. Leave the crossed steel strips at the top in place.



3. Place appropriate canister identification stickers on each canister/lid. With the Flex500 you can best access the canisters from the back. Manually turn the turntable gently without much force.

4. Close the top cover for the Flex520/540 and the upper rear panel for the Flex500!

5. Unpack computer if so equipped (located inside the lower section of dispenser). Place computer on inside shelf under the canister turntable.

6. Locate & secure the following connectors to the back of the PC.

- USB Keyboard/mouse
- VGA display
- RS232 serial data cable connected to the dispenser electronics.
- AC Power cable. Also plug this into the power socket inside the lower part of the dispenser.

OPERATOR MANUAL / Flex-SERIES

Flex500

7. Plug AC power cord of the dispenser into an appropriate outlet.
8. Switch on the dispenser electronics with the green power switch. For the Flex500 this is located on the right outside of the dispenser. For the Flex520/540 this is located at the front of the electronics box behind the front door of the dispenser.
9. Switch on the PC and start install your dispensing software if this is not supplied CPS Color Equipment BV.
10. For each canister follow the procedure below. See Software Service Manual for more details.
 - 10.1. Fill the canister with at least 1L of colorant, using the canister filling procedure of your dispensing software.
 - 10.2. Open the LLD Service-Window via the Service/Maintenance function in your dispensing software.
 - 10.3. Place the empty can you've used to fill the canister at the dispense position.
 - 10.4. Select the tab sheet Maintenance and repeat the Air Removal function until an even flow of colorant, without air bubbles is dispensed at least twice.
 - 10.5. Poor back the dispensed colorant in the canister and place lid.

11. Remove the brush unit. In the Flex500 this is located on the left of the dispenser (pull to the right and outward to remove). In the Flex520/540 this is located behind the front door. Fill reservoir with cleaning liquid (water or solvent based).



12. The optimal filling level is marked with "MAX Niveau". **Do not overfill & ensure reservoir "clicks" into place when reinstalled.**

Optimally turn the brush so that the hairs face downward before placing back the brush. A loose protection plate in the brush unit



OPERATOR MANUAL / Flex-SERIES

limits the chance that the unit overflows when placing the unit back.

Note: in the past some machine have been equipped with jet clean

13. Fill canisters completely with remaining colorants using the dispenser software. The maximum fill level is about **5cm/2"** below the top of the stirrers. **Do not overfill!** Make sure the canister level in the dispenser software is set to the actual level in the canister.

4 OPERATION



WARNING

Some potentially hazardous functions, such as punching and the electric can-lift are secured by a 2-hands operation. When operating the dispenser, no other people than the operator or (domestic) animals are allowed within arms-length of the dispenser. Place the dispenser in a zone where this can be guaranteed.

4.1 OVERVIEW

The Flex-dispenser is a fully automatic dispenser that adds colorant into a base material. Typically a color recipe must be selected from a database on a PC, which is then automatically sent to the dispenser electronics that operates the machine.

The system also includes several features which enables standard maintenance tasks to run in the background without operator intervention.

This process is referenced as "Auto tasks" and includes:

- Automatic cleaning (brush) system which handles the cleaning of the pump nozzles without delaying the operator while dispensing.
- Automatic stirring mechanism which is programmable in both time and speed for each canister separate.
- Automatic recirculation system, which recirculates the colorants within the pump tube and canister.

NOTE: The "Auto tasks management" is only running when service top door is closed and the machine main switch is powered on. The PC is allowed to be switched off during Auto tasks.

The auto task is not working when the machine is switched of

4.2 CAN-TABLE OPERATION

Manual Can-table

Operate the Manual can-table by lifting it at the front middle. Below the table you can lock/unlock the can-table by squeezing/releasing a lever.

NOTE: The can-table of the Flex500 has a mechanism that ensures the table can only be unlocked when it is slightly lifted. This ensures that it is NOT possible to get a sudden force on your arm and back when unlocking a table with a heavy can on top.



Electrical Can-table (option for 520 and 540 only)

The Electrical can-table is operated by the following 3 buttons at the left and right front of the housing, just above the dispensing area:

- Left button
- Right-top button
- Right-bottom button

To move the can-table **up** : Press the **left and right-top button** simultaneously.
To do this 2 hands are needed, which avoids that a limb is accidentally clamped between can and dispenser.

To move the can-table **down**: Press only the **right-bottom** button
The can-table is moved down to about 5cm/2" from the bottom position. To move the can-table further down, release and press the right-bottom button again. This avoids that a limb is accidentally clamped between can-table and dispenser.

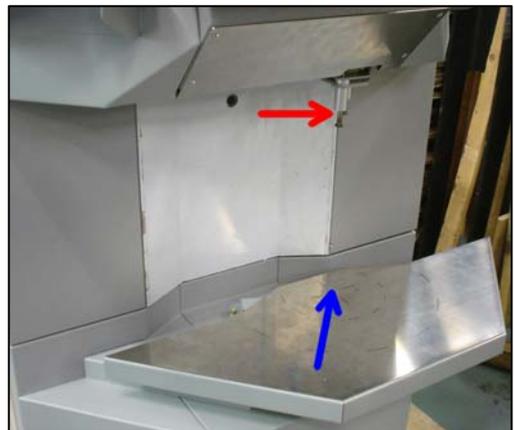
4.3 DISPENSING PROCEDURE

The dispenser's user interface and dispensing procedures may vary depending on what dispensing software is used. Please reference the user documentation that is provided with the dispensing software for specific dispensing instructions.

4.4 AUTOMATIC PUNCHING (OPTION)

Automatic punching is available on the Flex520/540. The punch is mounted to the right of the dispense opening inside the dispenser. To dispense through the punched hole, the can-table is automatically moved to the right front during the punching process.

The picture on the right shows the can-table in the rightmost position. The blue arrow shows the **can-table-centre** (marked by concentric circles on the table). The red arrow shows the **spring-pods**. These 2 pods are positioned close to the punch blade. They keep the can pressed on the can-table when the punch is retracted. One of the pods has a sensor detecting that the punch has fully penetrated the lid of the can.



OPERATOR MANUAL / Flex-SERIES

The punching process:

1. Locate the 2 (typically silver) punching buttons left and right of the housing, near the keyboard.
2. Make sure the can-table is in the centre position and the punch knife is fully retracted inside the dispenser. If not, press both punching buttons. The table will move back to the centre position and the punch is moved upwards.
3. Place a can at the centre of the can-table. Make sure the rim of the lid is sufficiently far from the can-table-centre (**typically as far back as possible**), so that the punch and spring-pods do not touch the rim when punching.
4. Manually lift the can-table to the **highest position possible without the can-lid touching the housing** of the dispenser.
5. Press both punching buttons simultaneously and keep them pressed until the entire punching process is finished. This automatic process consists of:
 - a. The can-table moves to the right, placing the can underneath the punch
 - b. The punch is moved down until a hole is punched in the lid
 - c. The punch is moved up and retracted in the dispenser housing
 - d. The can-table moves back to the centre, placing the can with the punched hole exactly beneath the dispense opening.

NOTE: When releasing any button the entire process stops immediately. When releasing and repressing both buttons, the table is moved back to the starting position. For safety reasons the table is first moved right a little distance, stopped and only then moved fully left in this situation. When releasing only one button the process stops, but continues when both buttons are pressed again.

6. You can now start the dispenser via the dispensing software as usual.

4.5 CANISTER FILLING

Select the canister filling option in the dispensing software. The selected canister is moved to the filling position. Open the unlocked filling cover at the top of the dispenser. As an option a stainless steel plate with several holes can be installed. Only one canister at a time is positioned exactly under one of these holes. This should be the canister to fill. When no such plate is installed select the canister by canister label (typically this is the canister at the front position).



NOTE: Always double check the canister label with the colorant label you're about to refill.

5 MAINTENANCE

5.1 DAILY

- Clean brush unit and the brush reservoir.
- Inspect & clean drop tray if needed.
- Refill canisters if needed. Take care not to **overflow**.
- Clean any **spillage immediately**. When cleaning take special care not to contaminate or damage the (black) optical sensors.

5.2 WEEKLY

- In case a large brush unit is installed, having a half-brush, clean the brush reservoir. And the brush itself
- In case Jet-Cleaning is installed, replace the cleaning liquid and rinse the container. In case the dispenser is not used frequently this could be done monthly.
- If automatic stirring is not done stir the colorants by using the stirring unit

5.3 MONTHLY

- Test stirring mechanism for proper operation in all canisters.
- Reset machine to check functionality
- Inspect bottom of pumps. Significant build-up of colorants indicates the brush unit needs to be cleaned more often or needs service. Wipe the pumps clean manually if needed. Avoid wiping colorant into the nozzle.

6 TROUBLESHOOTING

6.1 BASIC TROUBLESHOOTING

<u>PROBLEM</u>	<u>ACTION</u>
Dispenser will not turn on	<ul style="list-style-type: none"> ✓ Check incoming power, main switch or main fuse. ✓ Ensure top service cover is completely closed.
Turntable will not rotate	<ul style="list-style-type: none"> ✓ Red transportation bracket may still be mounted at the back of the turntable. ✓ Pump piston(s) may be raised too high causing interference with piston gripper arm or the frame of the dispenser when table is rotated. Manually push pump piston back down to its normal "at rest" position. (Check error Code on DCB) ✓ Valve manipulator arm may not be in its neutral position, perform system reset to move valve back into proper position.
Inaccurate color mix	<ul style="list-style-type: none"> ✓ Incorrect base paint selected or formulation error in dispensing software. ✓ Low colorant level in canister causing air to enter pump assembly. Fill canister with colorant and perform morning purge function to remove air from pump. ✓ Cleaning system is not working well. See Maintenance.

6.2 ERROR CODES

In case an error occurs, it is displayed both by the dispensing software and by the 3-digit display on the dispenser electronics board. The software displays both the number and a short description. See the Software Service Manual for more details.

What can you do before calling your service agent when one off these errors appears.

- Powerdown PC and dispenser. Wait 30s and switch on the dispenser and PC again. After the PC has started, wait at least one minute to allow Windows to fully start all software and drivers.
- Check software if all programs are running (Dispenser software, HLD).
- Check connections on PC, monitor, etc.
- Make sure the dispenser power switch is on and the service cover is closed.

When you do call your service agent have the following information present:

- The error code.
This is displayed by the software and the 3-digit display on the electronics board. This can be read through the slits in the electronics box. In the Flex500 you can read this through the slits of the canlift without opening the dispenser. In the Flex520/540 you have to open the front door first.

OPERATOR MANUAL / Flex-SERIES

- The dispenser serial number.
For the Flex500 this is located at the right outside of the dispenser. For the Flex520/540 this is located behind the front door above the electronics box.
- For complex problems please run the Report Tool (Click the windows "Start" button, select Programs \ CPS Color FLEX \ Report Tool (Programs \ Lenteq \ Report Tool for older machines). This allows you to describe the error and creates a zip-file with all relevant log and configuration files. You can email this zip-file to your service agent for analysis.

All possible error codes:

0 - E_OK

Command finished OK.

1 - E_BUSY

Command still busy.

2 - E_FAILED

A general error has occurred.

3 - E_NO_INIT

The DCB is not initialized yet.

This is typically caused by a failure during initialization. Switch the power of the dispenser off and on and check the error code on the DCB to see why initialization failed.

3_21 - UNKNOWN

This type of scale can not be calibrated. Only the LC Scale can be calibrated via the LLD.

4 - E_TABLE_HOME_NOT_FOUND

The table home position not found.

The table home sensor may malfunction. If this happens during installation, the parameter POSITION_COUNT may be set too low.

5 - E_TABLE_BAD_POS_COUNT

The table home sensor is detected too soon.

A table index notch may be damaged. Check parameters POSITION_COUNT (expected positions) and POSITIONS_FOUND (detected positions).

6 - E_INCOMPATIBLE_TABLE_POS

The table is not on a valid position for this command.

Possibly the user aborted the previous turn table command.

7 - E_VALVE_OPEN

The valve was open when it should have been closed or was open and could not be closed automatically.

8 - E_TOO_MANY_STEPS

The number of steps is higher than possible for a single dispensing stroke.

9 - E_SCALE_UNDERLOAD

OPERATOR MANUAL / Flex-SERIES

The scale reported an under-load error.

Typically this problem can be solved by switching off the scale, removing all weight and switching it on again.

10 - E_SCALE_COMM_TIMEOUT

Timeout while communicating with the scale.

Check cable, scale power and scale communication settings in DCB and scale menu.

11 - E_COMM_TIMEOUT

Timeout while communicating with the DCB.

Check cable, DCB power and 3-digit DCB status indicator.

12 - E_SCALE_OVERLOAD

The scale reported an over-load error.

Use a bigger scale or a smaller can.

13 - E_PROCESSING

The DCB received a new command while it was still processing a previous command.

14 - E_UNKNOWN_COMMAND

The DCB received an unknown command.

Possibly the DCB firmware must be updated.

15 - E_NO_RIGHTS

Command called without sufficient rights.

16 - E_INVALID_NR_OF_PARAMETERS

The DCB received a command with too few or too many parameters.

17 - E_SCALE_NOT_DEFINED

An undefined scale type is specified in the DCB parameters.

18 - E_TABLE_INDEX_TIMEOUT

The table did not reach the next index position in time.

The table may be blocked, moved too slow or an index position was missed.

19 - E_TABLE_OVERCURRENT

The table current indicated that the table was blocked.

20 - E_TABLE_PUMP_NOT_HOME

The table is not allowed to move, because the pump gripper is not in the home position.

21 - E_CANLIFT_OVERCURRENT

The can-lift current indicated that the can-lift was blocked.

22 - E_CANLIFT_TIMEOUT

The can-lift failed to reach the expected end-sensor in time.

The motor or end-sensor may be damaged.

OPERATOR MANUAL / Flex-SERIES

23 - E_DISPENSE_INIT_TIMED_OUT

Failed to move the pump-gripper to the home position.

The pump home sensor may be damaged.

24 - E_STEPS_HOME_MOVEMENT

Failed to place the pump-gripper a fixed number of steps below the pump home sensor off/on edge, with the gripper free from the pump.

25 - E_STEPS_MOVEMENT

The pump-gripper failed to leave the home position.

Gripper may be blocked or stepper motor or pump home sensor is damaged.

26 - E_STEPS_LOST_GOING_UP

When moving the pump down, the pump home sensor is reached before it was expected (steps lost going up).

27 - E_STEPS_LOST_GOING_DOWN

When moving the pump down, the pump home sensor is not reached when it was expected (steps lost going down).

28 - E_TABLE_OVERSHOOT

The table failed to stop on the requested position.

If this problem reoccurs the table speed may need to be reduced.

29 - E_STEPS_FAILED

Internal error in the DCB stepper motor controller.

30 - E_STEPS_HB_CURRENT

DCB driver IC over current.

31 - E_STEPS_HB_TIMEOUT

DCB driver IC timeout.

32 - E_PARAM_INDEX

DCB Parameter index not defined.

33 - E_STIR_INNER_MOVEMENT_TIMEOUT

Inner stirring motor timeout.

The stirring motor or sensor may be damaged.

34 - E_STIR_OUTER_MOVEMENT_TIMEOUT

Outer stirring motor timeout.

The stirring motor or sensor may be damaged.

35 - E_STIR_OVERCURRENT

Stirring motor over-current detected.

The stirring motor may be blocked.

36 - E_TABLE_PUMP_DEADLOCK

The table is not on an index position and the pump is not home.

OPERATOR MANUAL / Flex-SERIES

The table index or pump home sensors may be damaged or the table is moved manually.

37 - E_STIRRING_SENSORS

One or more stirring motors are not in a safe position for turning the table.

38 - E_PARAM_READONLY

The PC tried to update a read-only parameter.

39 - E_SELECTION_KEY

The function key on the DCB was pressed continuously during DCB initialization.

The key may be damaged.

40 - E_LIFT_UP_KEY

The lift-up key on the DCB was pressed continuously during DCB initialization.

The key may be damaged.

41 - E_LIFT_DOWN_KEY

The lift-down key on the DCB was pressed continuously during DCB initialization.

The key may be damaged.

42 - E_FEEDBACK_42V_HIGH

The 42V supply voltage is higher than allowed (typically >50V for more than 2s).

43 - E_FEEDBACK_12V_HIGH

The 12V internal voltage is higher than allowed (typically >18V for more than 2s).

44 - E_FEEDBACK_42V_LOW

The 42V supply voltage is lower than allowed (typically <30V for more than 2s)

45 - E_FEEDBACK_12V_LOW

The 12V internal voltage is lower than allowed (typically <8V for more than 2s)

46 - E_VALVE_OBSTRUCTS_TABLE

The table could not be turned, because the valve manipulator could not be placed in the horizontal position.

47 - E_VALVE_OPEN_FAILURE

Failed to fully open the valve.

The valve motor or sensors may be damaged or the valve manipulator is blocked.

48 - E_GENERAL_MOTOR_SENSOR

Fatal hardware error. Could not disable or enable the motor driver circuit.

The DCB hardware may be damaged.

49 - E_COMM_CHK

Bad checksum detected in communication between PC and DCB.

50 - E_SCALE_COMM_CHK

Received incomprehensible messages from scale.

OPERATOR MANUAL / Flex-SERIES

Check DCB scale settings and scale mode.

51 - E_I2C

Failed to communicate via the I2C bus.

52 - E_EEPROM_CORRUPTED

Storage failure when writing a value in eeprom.

53 - E_NO_CAN_AT_TOP

The can was removed before the recipe was completely dispensed.

Please place back the can before continuing with the current recipe.

54 - E_PARAM_VALUE_RANGE

Command contained a parameter with a value higher or lower than allowed.

55 - E_MACHINE_FEATURE

Command not supported by this dispenser.

Check the dispenser features.

56 - E_AUTHENTICATE

Please authenticate

57 - E_AUTHENTICATION_FAILED

Authentication failed.

58 - E_EXCENTER_FAILED

Failed to eject cartridge.

59 - E_STIR_MIDDLE_MOVEMENT_TIMEOUT

Middle stirring motor timeout.

The stirring motor or sensor may be damaged.

60 - E_STEPPER_PARAM_RANGE

Communication failure between the DCB main and the stepper motor firmware

61 - E_TABLE_MOVED_DURING_VALVE_OPEN

The turntable was moved while opening the valve.
No colorant was dispensed in the last pump stroke.

Please check if the valve is blocked and close it manually (move to the right) if it is half open. Press [Retry] to continue dispensing.

62 - E_TABLE_MOVED_DURING_VALVE_CLOSE

The turntable was moved while closing the valve.
The colorant was dispensed successfully in the last pump stroke.

Please check if the valve is blocked and close it manually (move to the right) if it is half open. Press [Retry] to continue dispensing.

7 WARRANTY

The Supplier only warrants that during a period of twelve (12) months after the date of delivery of the Products, the Products are fit for normal use and free from defects in material and workmanship, if maintained and operated under normal conditions and in accordance with the operating instructions. If a claim under the warranty relating to the Products is considered justified by the Supplier during the warranty period of 12 months, all costs relating to the actions as set out in Article 10.3 of CPS - General Sales Conditions Europe BV will be for the Supplier.

The Supplier only warrants that during a period of twelve (12) months after delivery of the Software, the software is fit for normal use and be free from defects in material and workmanship, if maintained and operated under normal conditions and in accordance with the operating instructions. If a claim under the warranty relating to the Software is considered justified by the supplier, all costs relating to the actions as set out in article 10.3 of CPS - General Sales Conditions Europe BV will be for the Supplier.

All of the Supplier's Services shall be performed on the basis of a best efforts obligation, unless and insofar as the Supplier has expressly promised a result in the Contract and the result concerned has also been described with sufficient detail. Any contract concerning a service level must always be expressly agreed in writing. If the Supplier provided Services, the Supplier warrants that the Services were performed, to the best of Supplier's ability, with due care and in accordance with the Contract during a period of twelve (12) months after delivery of the Services.

The Purchaser has no right to claim under the warranty, if the Products and/or Software are not used under normal conditions, are not properly maintained or are not used for their normal purpose they are intended for, are repaired, revised or adapted by the Purchaser and/or by a third party engaged by Purchaser, the instructions with respect to the use and/or the installation are not complied with or in case of normal wear and tear.

The Supplier never warrants the absence of defects which are the consequence of complying with any mandatory (governmental) laws and regulations regarding the nature or the quality of the raw materials and/or materials applied in the delivered Products.

CONFIDENTIAL

Property of
CPS Color Equipment BV

As an unpublished work, all rights reserved.
This material may not be copied or disclosed to others without the prior written
permission of CPS Color Equipment BV



Gansoord 1
2165 BA, Lisserbroek
The Netherlands

Phone: +31(0)252-410045
Fax: +31(0)252-411536