8. TROUBLE SHOOTING

Error code	Error detected	Error description	Resolution of the problem
1	EEPROM_COLOR_CIRC_PARAM_CRC_FAULT	Circuit parameter CRC fault	Check for the absence of parameters in the case of MAB replacement. Load the base/colorant circuit parameters onto the new MAB board.
2	EEPROM_CALIB_CURVES_PARAM_CRC_FAULT,	Calibration curve parameter CRC fault	Check for the absence of parameters in the case of MAB replacement. Load the calibration parameters onto the new MAB board.
3	EEPROM_XY_OFFSET_PARAM_CRC_FAULT,	Failure of x and y coordinates, Cartesian positions, offset CRC	Check for the absence of parameters in the case of MAB replacement. Load x and y offset parameters onto the new MAB board.
4..5	TIMEOUT_COM_MAB_B"X" , where "X"=1..2	Slave B"X" communication time-out (detected on the MAB side)	Check the SCCB power supply wiring and replace it if damaged. Check the RS485 communication connector, and visually check the board hardware. If damaged, replace the Slave B"X" board.
12..23	TIMEOUT_COM_MAB_C"X" , where "X"=1..8	Slave C"X" communication time-out (detected on the MAB side)	Check the SCCB power supply wiring and replace it if damaged. Check the RS485 communication connector, and visually check the board hardware. If damaged, replace the Slave C"X" board.
36	TIMEOUT_COM_MAB_X_AXIS,	Slave X AXIS communication time-out (detected on the MAB side)	Check the SCCB power supply wiring and replace it if damaged. Check the RS485 communication connector, and visually check the board hardware. If damaged, replace the Slave X board.
37	TIMEOUT_COM_MAB_Y_AXIS,	Slave Y AXIS communication time-out (detected on the MAB side)	Check the SCCB power supply wiring and replace it if damaged. Check the RS485 communication connector, and visually check the board hardware. If damaged, replace the Slave Y board.
38..41	TIMEOUT_COM_MAB_CONTAINER_"X", where "X"=1..4	Slave "X" CAN SELECTION communication time-out (detected on the MAB side)	Check the SCCB power supply wiring and replace it if damaged. Check the RS485 communication connector, and visually check the board hardware. If damaged, replace the Slave "X" CAN board.
42..43	TIMEOUT_COM_MAB_COVER_"X", where "X"=1..2	Slave "X" CAPPING STATION communication time-out (detected on the MAB side)	Check the SCCB power supply wiring and replace it if damaged. Check the RS485 communication connector, and visually check the board hardware. If damaged, replace the Slave T "X" board.
44	TIMEOUT_COM_MAB_AUTOCAP	Slave AUTOCAP communication time-out (detected on the MAB side)	Check the SCCB power supply wiring and replace it if damaged. Check the RS485 communication connector, and visually check the board hardware. If damaged, replace the Slave AUTOCAP board.
53	COVERS_NOT_AVAILABLE	Lids not available	Insert lids. Verify integrity, cleaning and correct position of the micro-switch. Replace it if damaged.
54	CONTAINERS_NOT_AVAILABLE	Cans not available	Insert cans. Verify integrity, cleaning and correct position of the micro-switch. Replace it if damaged.
55	TIMERMG_TEST_FAILED,	Software timer management error	Unexpected error. Contact technical support

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56	WITHDRAWAL_FAILED,	Can not available during pick-up after a number of attempts	Verify cleaning, integrity and correct position of sensors on can pick-up block. Replace the damaged sensor. Check and remove the cans stuck in the mechanics or with each other.
57	SUPPLY_FAILED,	Dispensing aborted due to the absence of a cup before dispensing or the presence of a cup after unloading	The reflective photocell on the passive gripper might be dirty, damaged, or positioned incorrectly. Clean the sensor and position it properly, or replace it if damaged.
58	DISCARD_FAILED,	Can still present after negative unloading due to cup presence at the end of reset or at the beginning of dispensing, before pick-up	The reflective photocell on the passive gripper might be dirty, damaged, or positioned incorrectly. Clean the sensor and position it properly, or replace it if damaged. Remove the cup if present and stuck in the mechanical parts.
59	DATA_SUPPLY_FAILED,	Invalid table parameters	Check for consistency errors between the tables and the circuit installed on the machine. Verify the proper installation of the calibration tables in the Machine menu.
60	TIMEOUT_SUPPLY_FAILED,	Dispensing duration time-out	Check for a mechanical jam in the dispenser and eliminate it if possible.
61	EEPROM_SLAVES_CONFIGURATION_CRC_FAULT	Slave configuration parameter CRC fault	Verify whether the Slaves are enabled and present in the Devices menu. If they are not present or have been disabled, check the corresponding Flags and save the changes.
63	TIMEOUT_CLAMP_POS_DETECTION	Timeout on gripper positioning wait for dispensing start	Check for the presence of a mechanical jamming of damaged or dirty mechanical parts of the Cartesian axis. Clean or replace the concerned mechanical parts. Verify integrity and position of the micro-switch and replace it or fix it again if necessary.
100..101	B”X”_COLOR_HOME_POS_ERROR, where “X”=1..2	Loss of steps: deviation upon the detection of slave B”X” zero position	Verify the cleanliness of the B”X” circuit parts (e.g. pusher, photocell, etc.), and check for any wear of the pusher and damage of the photocell. Clean or replace the parts as required.
108..119	C”X”_COLOR_HOME_POS_ERROR, where “X”=1..8	Loss of steps: deviation upon the detection of slave C”X” zero position	Verify the cleanliness of the C”X” circuit parts (e.g. pusher, photocell, etc.), and check for any wear of the pusher and damage of the photocell. Clean or replace the parts as required.
132	MOVE_X_AXIS_HOME_POS_ERROR,	Loss of steps: deviation upon the detection of slave X AXIS zero position	Verify the cleanliness of rack, splicing device and sensors, and remove any residues if necessary. Verify the integrity of the motor and replace it if deterioration is encountered. If any mechanical parts are damaged or jammed on rack teeth and splicing device, remove or change the mechanical parts in question. Verify the electrical connections and change them if damaged. Check the photocell sensors and reposition them or change them if damaged.

Error code	Error detected	Error description	Resolution of the problem
133	MOVE_Y_AXIS_HOME_POS_ERROR,	Loss of steps: deviation upon the detection of slave Y AXIS zero position	Verify the cleanliness of rack, splicing device and sensors, and remove any residues if necessary. Verify the integrity of the motor and replace it if deterioration is encountered. If any mechanical parts are damaged or jammed on rack teeth and splicing device, remove or change the mechanical parts in question. Verify the electrical connections and change them if damaged. Check the photocell sensors and reposition them or change them if damaged.
136..139	STORAGE_CONTAINER”X”_HOME_POS_ERROR, where “X=1..4	Loss of steps: deviation upon the detection of slave “X” CAN SELECTION zero position	Verify the cleanliness of the mechanical parts and sensors, and remove any residues if necessary. Verify the integrity of the motor and replace it if deterioration is encountered. If any mechanical parts are damaged or jammed, remove or change the mechanical parts in question. Verify the electrical connections and change them if damaged. Check the photocell sensors and reposition them or change them if damaged.
140	AUTOCAP_HOME_POS_ERROR,	Loss of steps: deviation upon the detection of slave AUTOCAP zero position	Verify the cleanliness of the mechanical parts and sensors, and remove any residues if necessary. Verify the integrity of the motor and replace it if deterioration is encountered. If any mechanical parts are damaged or jammed, remove or change the mechanical parts in question. Verify the electrical connections and change them if damaged. Check the photocell sensors and reposition them or change them if damaged.
148..149	B”X”_BASE_TOUT_ERROR, where “X”=1..2	MAB communication time-out (detected on the SLAVE B”X” side)	Check the SCCB power supply wiring and replace it if damaged. Check the RS485 communication connector, and visually check the board hardware. If damaged, replace the Slave B”X” board
156..167	C”X”_COLOR_TOUT_ERROR, where “X”=1..8	MAB communication time-out (detected on the SLAVE C”X” side)	Check the SCCB power supply wiring and replace it if damaged. Check the RS485 communication connector, and visually check the board hardware. If damaged, replace the Slave C”X” board
180	MOVE_X_AXIS_TOUT_ERROR,	MAB communication time-out (detected on the SLAVE X AXIS side)	
181	MOVE_Y_AXIS_TOUT_ERROR,	MAB communication time-out (detected on the SLAVE Y AXIS side)	
182..185	STORAGE_CONTAINER”X”_TOUT_ERROR, where “X”=1..4	MAB communication time-out (detected on the “X” SLAVE CAN SELECTION side)	

Error code	Error detected	Error description	Resolution of the problem
186..187	PLUG_COVER_"X"_TOUT_ERROR, "X"=1..2	MAB communication time-out (detected on the "X" SLAVE CAPPING STATION side)	
188	AUTOCAP_TOUT_ERROR,	MAB communication time-out (detected on the AUTOCAP side)	
196..197	B"X"_BASE_RESET_ERROR, where "X"=1..2	Slave B"X" reset procedure duration time-out	Verify the cleanliness and positioning of the photocell mounted on the B"X" unit, then clean or reattach the sensor. Verify the integrity of the "flag", the pusher, the motor, and the connectors, and replace the parts or the entire unit if any mechanical wear or damage is found. If the communication is present but a problem of an electronic type remains, replace the SCCB board.
204..215	C"X"_COLOR_RESET_ERROR, where "X"=1..8	Slave C"X" reset procedure duration time-out	Verify the cleanliness and positioning of the photocell mounted on the C"X" unit, then clean or reattach the sensor. Verify the integrity of the "flag", the pusher, the motor, and the connectors, and replace the parts or the entire unit if any mechanical wear or damage is found. If the communication is present but a problem of an electronic type remains, replace the SCCB board.
228	MOVE_X_AXIS_RESET_ERROR,	Slave X AXIS reset procedure duration time-out	Verify the cleanliness and positioning of the photocells of X axis, then clean or refix the sensor. Verify the integrity of the motor and the connectors, and replace the parts or the entire unit if any mechanical wear or damage is found. If the communication is present but a problem of an electronic type remains, replace the SCCB board.
229	MOVE_Y_AXIS_RESET_ERROR,	Slave Y AXIS reset procedure duration time-out	Verify the cleanliness and positioning of the photocells of Y axis, then clean or refix the sensor. Verify the integrity of the motor and the connectors, and replace the parts or the entire unit if any mechanical wear or damage is found. If the communication is present but a problem of an electronic type remains, replace the SCCB board.
230..233	STORAGE_CONTAINER"X"_RESET_ERROR, where "X"=1..4	Slave "X" CAN SELECTION reset procedure duration time-out	Verify the cleanliness and positioning of the photocells of the "X" CAN unit, then clean or refix the sensor. Verify the integrity of the motors and the connectors, and replace the parts or the entire unit if any mechanical wear or damage is found. If the communication is present but a problem of an electronic type remains, replace the SCCB board.

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234..235	PLUG_COVER_"X"_RESET_ERROR, where "X"=1..2	Slave "X" CAPPING STATION reset procedure duration time-out	Verify the cleanliness and positioning of the photocells of the "X" CAPPING unit, then clean or refix the sensor. Verify the integrity of the motors and the connectors, and replace the parts or the entire unit if any mechanical wear or damage is found. If the communication is present but a problem of an electronic type remains, replace the SCCB board.
236	AUTOCAP_RESET_ERROR,	Slave AUTOCAP reset procedure duration time-out	Verify the cleanliness and positioning of the photocells of the AUTOCAP unit, then clean or refix the sensor. Verify the integrity of the motors and the connectors, and replace the parts or the entire unit if any mechanical wear or damage is found. If the communication is present but a problem of an electronic type remains, replace the SCCB board.

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