Paint Bottling Machine – Error Code Guide

Error Code	Error Description	Suggested Action
E101	Nozzle Misalignment	Check nozzle alignment and recalibrate using the control panel.
E102	Bottle Not Detected	Ensure bottles are correctly loaded and sensor is clean.
E103	Paint Flow Obstruction	Inspect paint line for clogs or dried paint. Flush system if needed.
E104	Capper Jammed	Clear any obstructions in the capping mechanism and reset the capper motor.
E105	Low Paint Reservoir Level	Refill paint reservoir and confirm sensor is functioning.
E106	Conveyor Belt Stalled	Check for jams or obstructions on the belt. Restart conveyor system.
E107	Overfill Detected	Inspect fill sensor calibration and adjust fill volume settings.
E108	Label Printer Offline	Reconnect or restart label printer. Check for paper jams or low ink.
E109	Emergency Stop Engaged	Verify safety conditions, then release emergency stop and restart the machine.
E110	Internal Temperature Exceeded Safe Threshold	Allow machine to cool. Check ventilation and ambient temperature.

Error Code	Error Description	Suggested Action
E999	Unknown System Fault	Contact maintenance. Provide error log and recent activity for diagnostics.

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Detailed Solutions for Each Issue

Error Code: E101

Description: Nozzle Misalignment

Solution:

• Check the nozzle alignment visually.

• Use the control panel to recalibrate the nozzle.

• Run a test cycle to ensure proper alignment.

Error Code: E102

Description: Bottle Not Detected

Solution:

- Ensure bottles are correctly loaded on the conveyor.
- Clean the bottle detection sensor.
- Check the sensor wiring and connections.

Error Code: E103

Description: Paint Flow Obstruction

Solution:

• Inspect the paint line for clogs or dried paint.

- Flush the system with a cleaning solution.
- Check the paint reservoir for contaminants.

Error Code: E104

Description: Capper Jammed

Solution:

- Clear any obstructions in the capping mechanism.
- Reset the capper motor using the control panel.
- Lubricate the capper mechanism if necessary.

Error Code: E105

Description: Low Paint Reservoir Level

Solution:

- Refill the paint reservoir with the appropriate paint.
- Confirm the paint level sensor is functioning correctly.
- · Check for leaks in the paint reservoir.

Error Code: E106

Description: Conveyor Belt Stalled

Solution:

- Check for jams or obstructions on the conveyor belt.
- Restart the conveyor system using the control panel.
- Inspect the conveyor motor and belt tension.

Error Code: E107

Description: Overfill Detected

Solution:

Inspect the fill sensor calibration.

- Adjust the fill volume settings using the control panel.
- Run a test cycle to ensure proper fill levels.

Error Code: E108

Description: Label Printer Offline

Solution:

- Reconnect or restart the label printer.
- Check for paper jams or low ink levels.
- Ensure the printer driver is up to date.

Error Code: E109

Description: Emergency Stop Engaged

Solution:

- Verify all safety conditions are met.
- Release the emergency stop button.
- Restart the machine using the control panel.

Error Code: E110

Description: Internal Temperature Exceeded Safe Threshold

Solution:

- Allow the machine to cool down.
- · Check the ventilation system for blockages.
- Monitor the ambient temperature in the operating area.

Error Code: E999

Description: Unknown System Fault

Solution:

· Contact maintenance for assistance.

- Provide the error log and recent activity for diagnostics.
- Follow any additional instructions from the maintenance team.