

# 4.2 Supplement

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## Overview

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### Introduction

This document contains information which has been added to the original release of the 4.2 Benchmark software.

In addition to the new features, there are several changes and improvements to existing user tasks. Please read this entire document before operating the Camelot Xyflex and XyflexPro Dispenser.

This supplement is to be placed with the Xyflex and XyflexPro 4.2 System Manual.

The major enhancements and functional changes contained in this document are as follows:

- Static Protection of the Weight Scale.
- Chip Definition, Alarm Recovery.

# Enhancements

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## Static Protection

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### Introduction

Certain weight scale components may develop a static charge if left untreated. This static charge can develop at the sliding glass cover and/or at the plastic weigh dish. To prevent a static charge which in turn will deliver inaccurate readings at the scale the plastic weigh dish and sliding cover must be treated.

This procedure should be performed daily or when a new weigh dish is placed on the scale when prompted by the Benchmark software.

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### Procedure

When the system is first started the software prompts the operator to open the safety door to change the plastic weigh dish. Refer to the Chapter titled - **Startup And Shutdown** for a more detailed procedure on system startup.

Treat the plastic weigh dish and sliding glass cover as follows:

If the XyflexPro system is equipped with a weight scale and is enabled, the **Replace Weight Scale cups(s)** message screen appears. See Figure 1-1.

This message only appears once, until the system is shutdown and restarted.

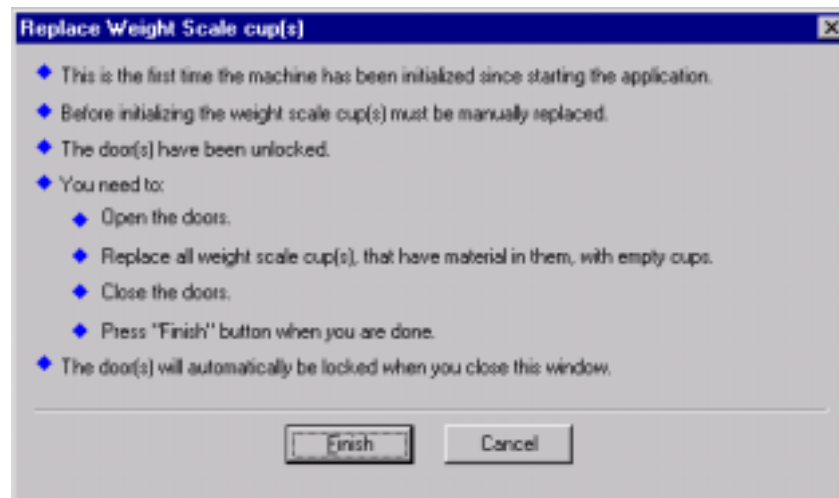


Figure 1

1. Unlock the safety door and remove the plastic weigh dish and remove the sliding glass cover from the dash board.
2. Wipe a new plastic weigh dish with the Staticide wipes (supplied in support kit). Wipe the entire top and bottom surface of the weigh dish.
3. Place treated weigh dish on weight scale pedestal.
4. Wipe the sliding glass cover with supplied Staticide wipes. Wipe the entire top and bottom surface of the cover.

5. Place treated sliding cover onto the dash board. Close sliding glass cover over the weight scale.
6. **Xyflex models**- Perform step one through step five at each dispensing location that contains a weight scale.
7. Close the safety door down and **lock**.
8. Press the **Finish** button.

The system will continue its normal initialization process and will also zero out the weight scale automatically. When the head has finished its initialization the system is now ready for operation.

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## Chip Definition, Alarm Recovery

### Introduction

When you are running a process program of a substrate containing chips, the vision system may generate an alarm condition. This alarm condition may be due to the camera not being able to find a chip edge. The system will stop at the chip where the edge was not detected and post an alarm. The operator has a few options on how to clear this alarm condition and be able to continue running the program.

The following procedure will guide the operator to manually align each chip edge to clear the alarm condition.

### Procedure

If the vision system could not find a chip edge while dispensing, an alarm condition is generated. See Figure 2.

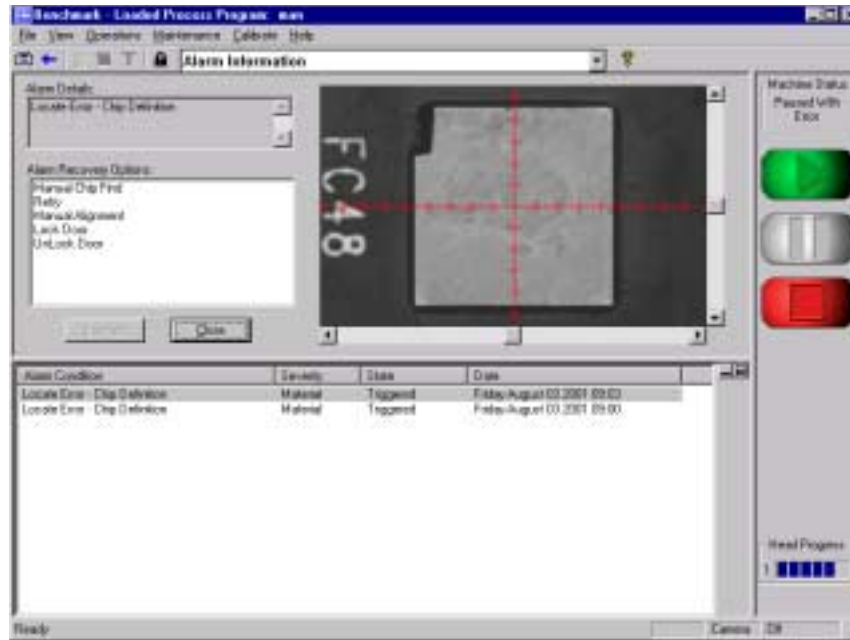


Figure 2

Manually align each corner of the chip that encountered the error as follows:

1. Select **Manual Chip Find** from the Alarm Recovery Options list. A screen will appear with four chip corner buttons and a vision window. See Figure 3.

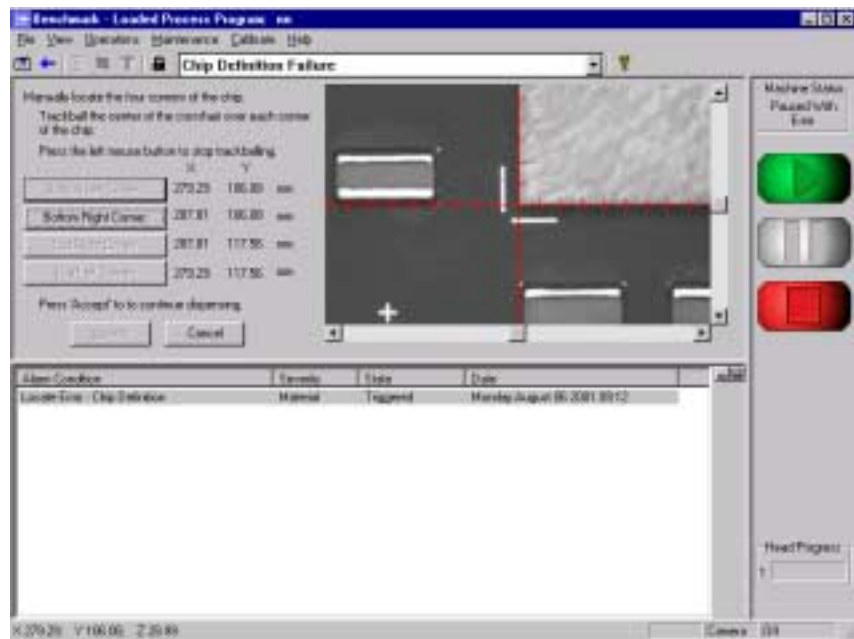


Figure 3

2. Select the **Bottom Left Corner** button. While looking at the monitor, drive the crosshair using the trackball over to the bottom left corner of the chip. When the crosshair is square to the corner, select the left button on the trackball. See Figure 3.
3. Select the remaining three buttons and repeat the procedure from step two at all three corners.
4. Select the **Accept** button to continue dispensing the loaded process program.

Refer to the Chapter titled - **Alarms and Troubleshooting** for a more detailed description on dealing with system alarms.

