*Machine Vision Consulting (MVC) is a full service machine vision integrator providing consulting, product solutions, custom projects and training in support of manufacturing and OEMs, in the machine vision industry.*

*TamperProof is used to ensure Food & Drug packaging safety by verifying that a product has not been tampered with prior to shipment.*

## Overview

Machine Vision Consulting's (MVC) TamperProof© product ensures the integrity of tamper-evident closures. TamperProof inspects the presence, integrity, color and position of the tamper-evident band. It handles numerous product types and can inspect up to 1000 units per minute.

## TamperProof© Inspection Benefits

TamperProof© verifies:

✧ that the tamper seal is intact,
✧ that the closure is not cocked,
✧ that the closure height, relative to a reference point on the container, is within tolerance indicating that the closure has been torqued correctly,
✧ and verifies the closure color.



## Manufacturing Line - Security & Ease of Use

MVC's TamperProof solution provides information security with multiple login levels and permissions for operators and administrators. It also provides event logging and the export of track and run statistics.

The TamperProof system mounts over the conveyor and can inspect plastic product closures at a rate of up to 1000 closures per minute. Multiple cameras are positioned around the closure, providing 360 degree inspection. An inspection recipe management system is included and an optional height adjustment system is available, making changeover fast and easy.

# Provides Security and Peace of Mind

Tamper-evident plastic closures are used on many nutrition, beverage, and food containers. Tamper-evident closures provide a security measure to the manufacturer and a guarantee to the consumer that the container has not been opened and the contents have not been compromised. TamperProof verifies a product has not been compromised.

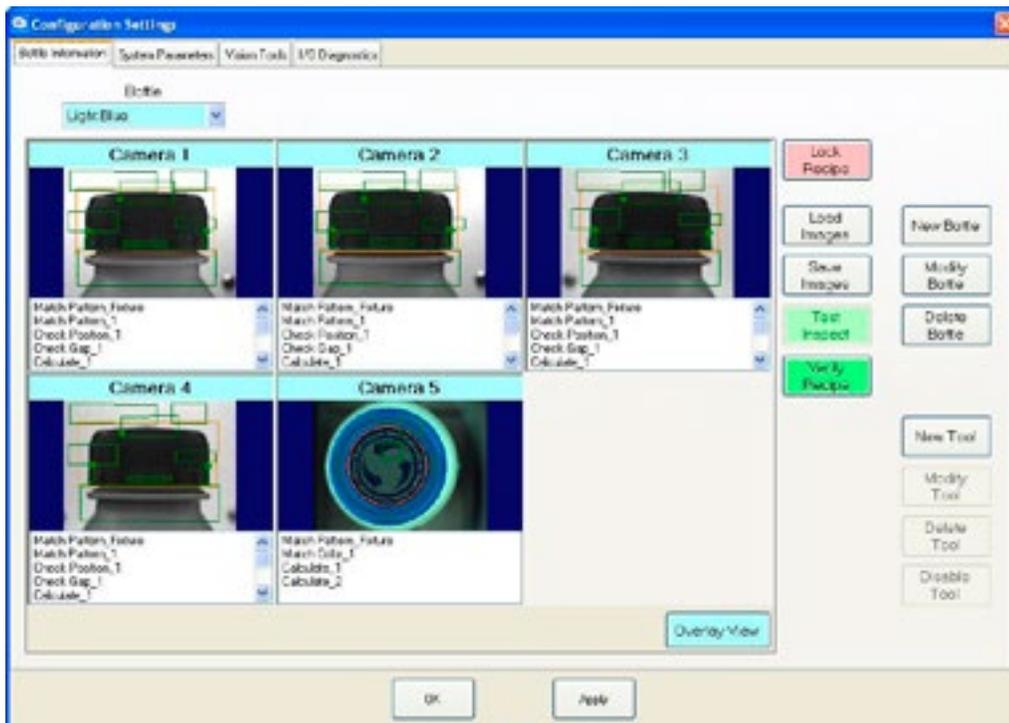# TamperProof System Components

### Standard

- ✧ TamperProof is based on Machine Vision Consulting's SureLabel Product
- ✧ Cognex VisionPro® software libraries
- ✧ Single custom washdown ring light
- ✧ 5 cameras: 4 monochrome GIG-E Cameras and 1 color GIG-E camera
- ✧ Reject Mechanism
- ✧ Operator's Manual
- ✧ System Schematics (available upon request)
- ✧ IQ/OQ/PQ Documentation Package (upon request)

### Optional

- ✧ Adjustable XY imaging system position bracket, with tool-free adjustment
- ✧ NEMA 4/4X: Stainless Steel Food Grade Construction
- ✧ IP enclosure ratings up to IP67 (dust tight/water immersion)
- ✧ Touchscreen interface