



Medical Component Presence Inspection

Form, Fill, and Seal Machines

Overview

In production environments with form, fill, and seal machines there are requirements to verify that each individual package component has been loaded into all of the packages formed by the machine.

Machine vision systems are an excellent solution for automating the verification that the individual package components has been loaded into all of the packages. These systems operate 100% of the time, eliminating the inherent risks and quality issues that occur when using human operators to perform the verification process.

Component Presence Inspection

Interactive Design provides custom machine vision systems that interface with form, fill, and seal machines. Each system is customized to the row, track format of the form, fill, and seal machine.

The machine vision systems provide an electronic signal to indicate the pass/fail status of each package produced by the machine. The package unload systems that handle packages at the output of the machine can take the appropriate action based on the pass/fail signal for each package.

Complementary Systems

Interactive Design provides fully automated, systems for use in conjunction with machine vision inspection systems. These systems include:

Load/unload systems – for loading product into packages and/or unloading finished packages.

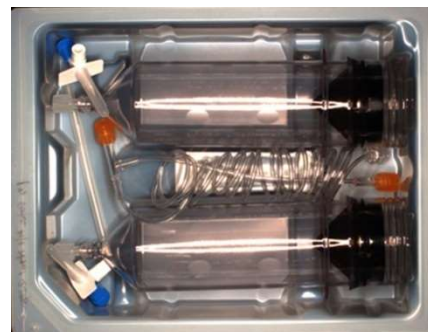
Label Print Inspection – detailed verification of both the variable printed information (i.e. expiration date, lot code) and inspection for partial missing characters in the product description.

Integrated Inspection System

- High resolution cameras
- Dedicated lighting
- Image processing software
- High speed personal computer
- Touch screen operator interface
- Industrial enclosure



Medical Component Presence Inspection
(installed at a form, fill, seal machine)



Sample Package for Inspection

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