

MACHINE VISION CONSULTING

IMPROVING VISION ACROSS INDUSTRY

Situation

The consequences of mis-labeling a product containing allergens or medications can be serious, so manufacturers of canned goods or pharmaceuticals must be able to verify that pre-printed labels correctly match or are correctly applied to the container with matching contents.

Solution

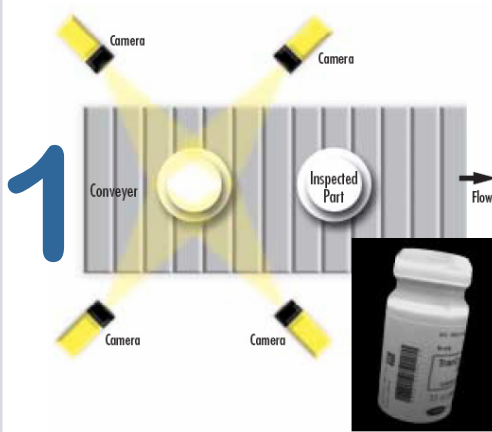
Machine Vision Consulting's **CircumSpect™** inspection product verifies that the correct label or pre-printed container is present as it exits the labeler, filler, or lid applicator.

CircumSpect™ capabilities:

- ✧ Handles random container orientation
- ✧ Provides multiple ways to verify the correct label or container and lid are present
- ✧ Reads a UPC code
- ✧ Reads a 2D barcode
- ✧ Matches a pattern, such as the flavor, brand logo, or special promotional graphics
- ✧ Verifies well printed characters, such as a lot code or product code
- ✧ Provides quick training of new labels and containers
- ✧ Can run up to 1500 ppm

How it Works

1. Containers move through an inspection station armed with 4 cameras
2. Cameras simultaneously acquire 4 separate images - random container orientation is acceptable - no special handling is required
3. Separate images are integrated into one un-distorted virtual image on which Machine Vision Consulting's unique label verification solution is applied



CircumSpect™