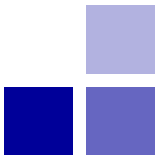**Panasonic**

Machine Vision System application notes (Label inspection applications)

Panasonic Industrial Devices SUNX Co., Ltd.

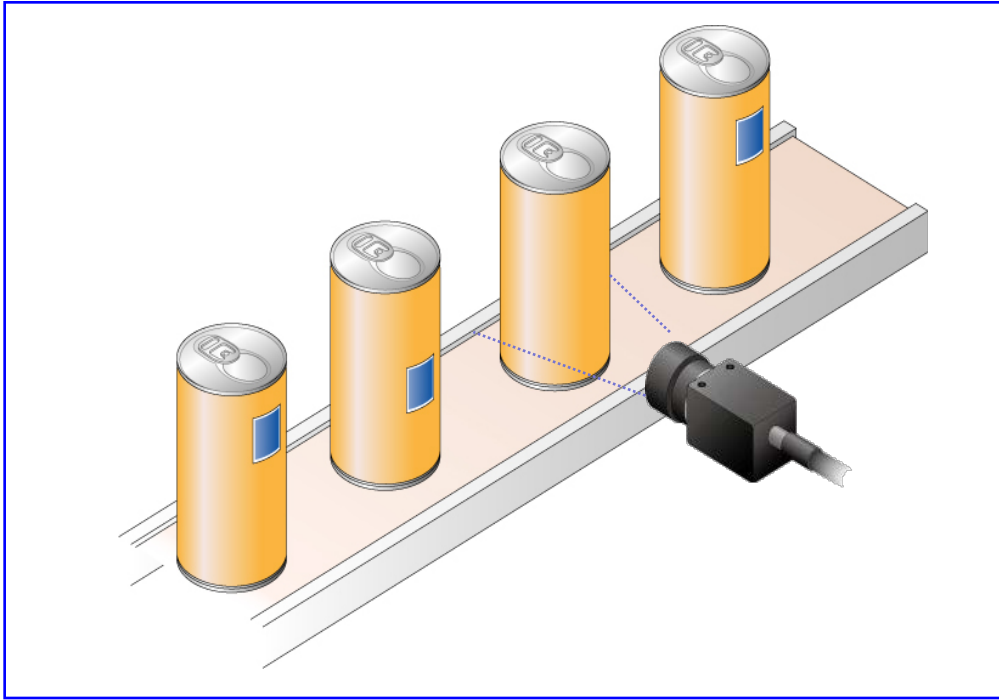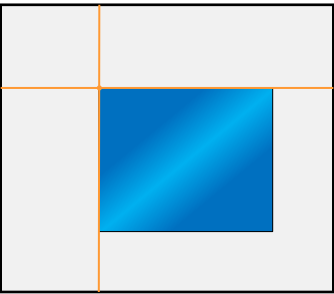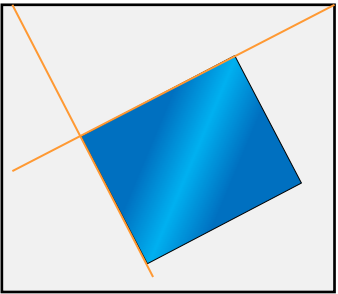# Detection of the presence and position of labels

Description
- Detect the presence and position of advertisement labels

Merits in purchasing our product
- Supports multiproduct and multi-item inspections
- High-speed processing through parallel operation
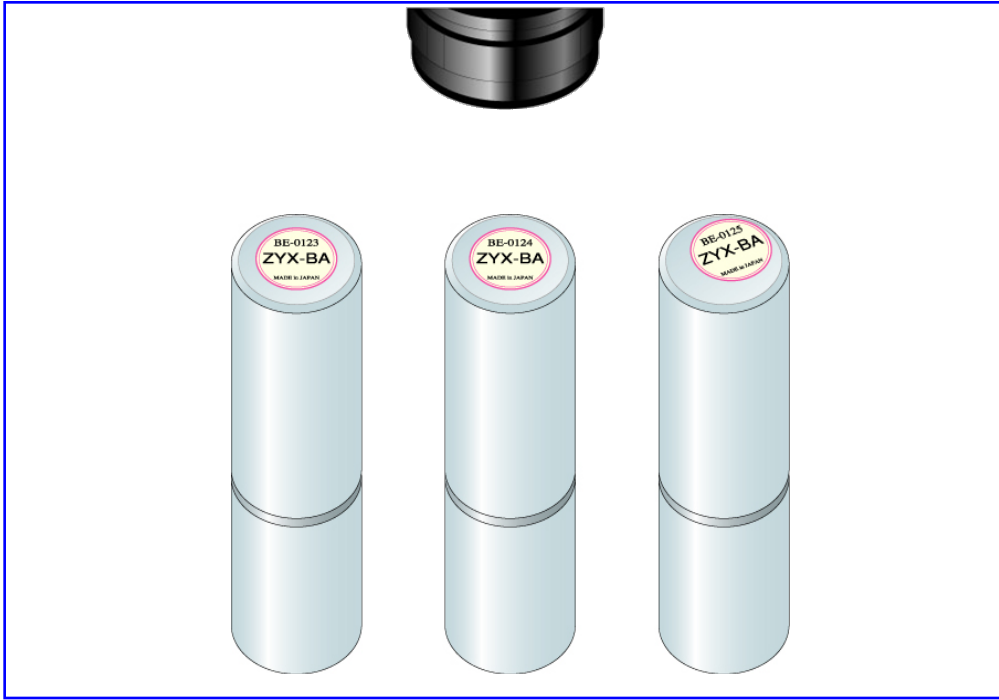- Simple, high-precision position detection based on smart edge (line)

Examples of used functions
- Smart edge (line)
- Geometry calculation

Image illustration

OK NG

Recommended model

PV200	Combined color and gray inspection

Panasonic

Inspection for misalignment of cosmetic labels

■ Description

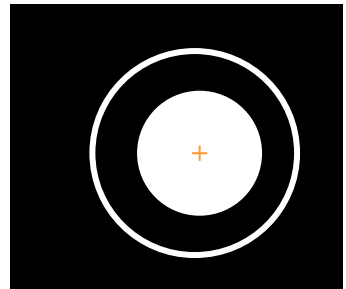- Inspect for the misalignment of labels affixed to lipsticks or other cosmetic products

■ Merits in purchasing our product

- Supports multiproduct and multi-item inspections
- If smart edge (circle) is used, the virtual center is detected even if the label is misaligned by a great amount. This enables accurate detection of the misalignment.
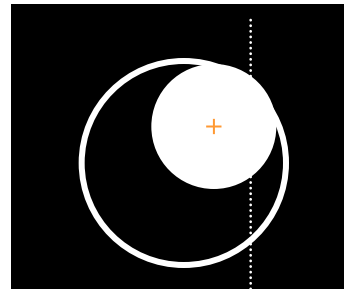
■ Examples of used functions

- Smart edge (circle)

Image illustration

OK

NG
Label misalignment

■ Recommended model

PV200	

Panasonic

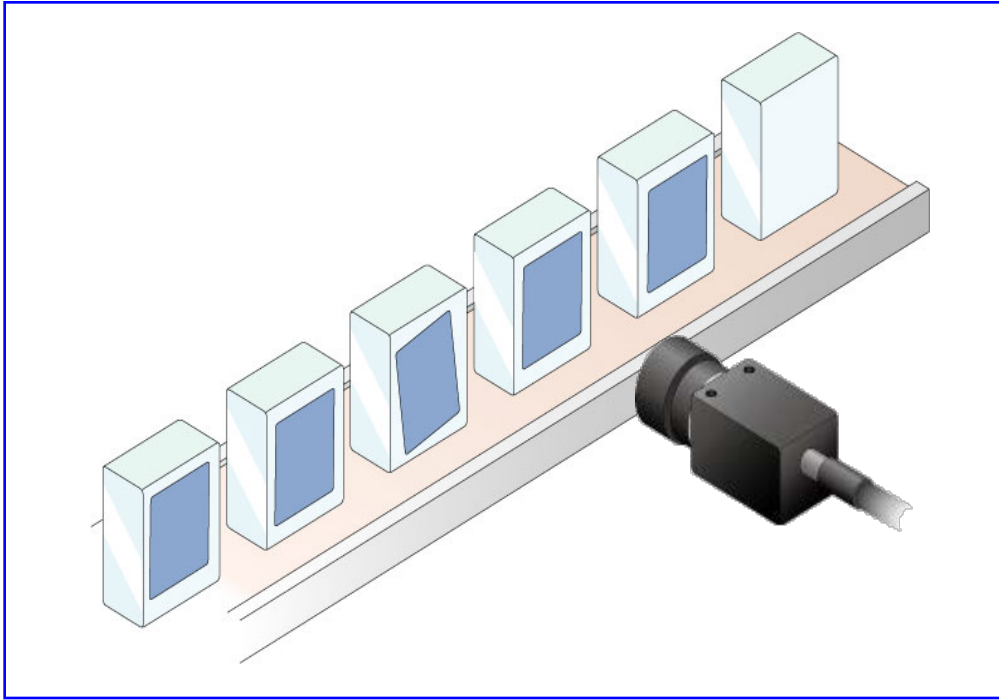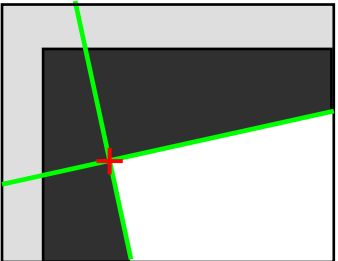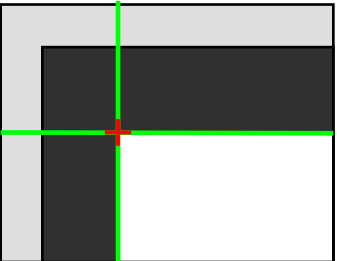# Inspection of the presence and tilting of labels

Image illustration

Description

- Inspect for subtle misalignment of labels and misalignment caused by the tilting of the product itself

Merits in purchasing our product

- Detects the label lines with high precision using smart edge (line)
- Easily measure dimensions and angles using the geometry calculation function, without creating expressions.
  Obtain misalignment and tilt data and use it to adjust the position of the labeling machine

Examples of used functions

- Smart edge (line)
- Geometry calculation

Recommended model

PV200	

Panasonic

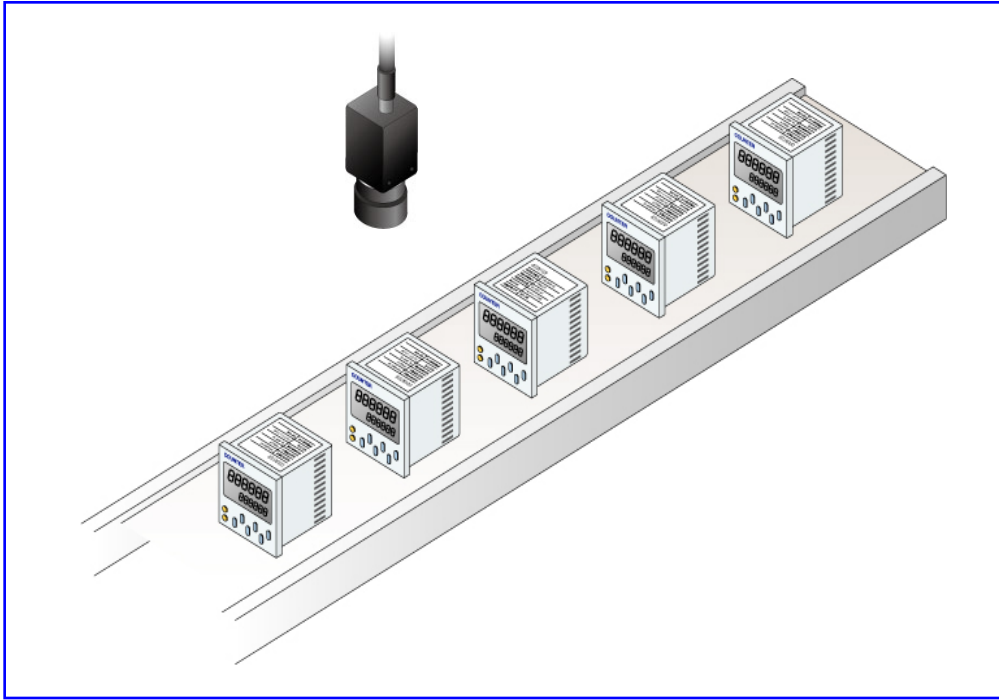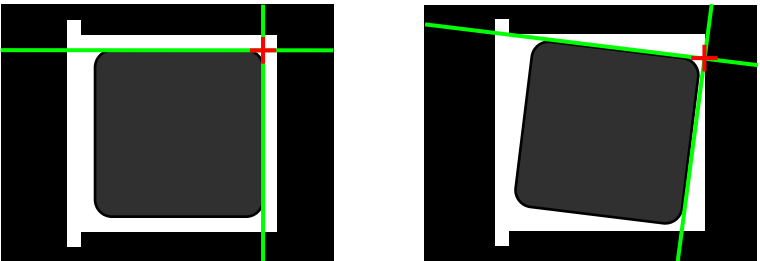# Inspection of the position and tilting of product labels

Image illustration

■ Description

- Inspect for subtle misalignment of labels and misalignment caused by the tilting of the product itself

■ Merits in purchasing our product

- Detects the label lines with high precision using smart edge (line)
- Easily measure dimensions and angles using the geometry calculation function, without creating expressions.
  Obtain misalignment and tilt data and use it to adjust the position of the labeling machine

■ Examples of used functions

- Smart edge (line)
- Geometry calculation

■ Recommended model

PV200	

Panasonic