

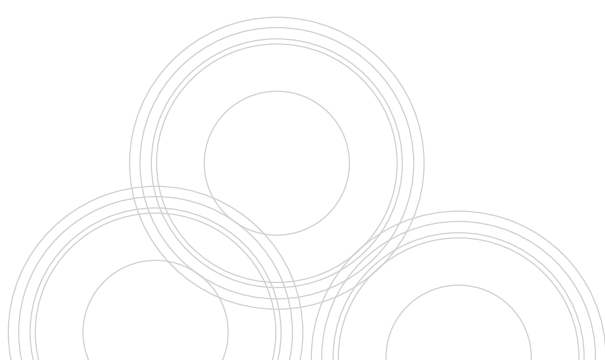
# In-SPECT-1CV1

## Bottles Opening Inspection Station

The visual station is plug & play and ideal for bottle opening inspection.

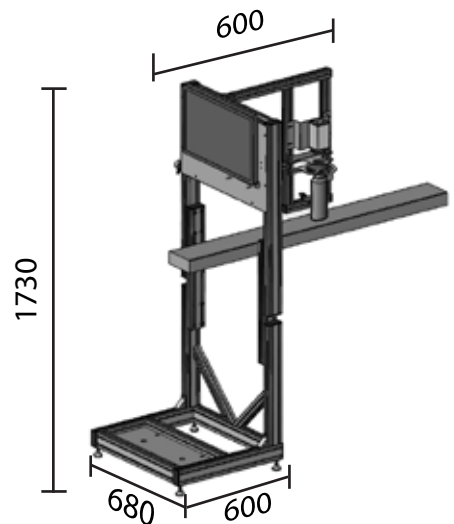
This stand-alone unit can easily integrate with existing production lines, including a mechanical jig fitted to adjust different conveyor heights with a minimal footprint.

Automatic adjustments of product's size and inspected features makes it a perfect choice for fast switching between products.



# In-SPECT-1CV1 Inspection Features

- o High-resolution camera inspection from top side
- o In-line inspection before packaging and/or filling
- o Max. speed: 4 bottles per second or 14400 bottles/hour
- o Automatic detection of bottle dimensions
- o Top side inspection:
  - ✓ Bottle opening measurements: diameter, acircularity
  - ✓ Shorts and flashes starting 0.2mm long
  - ✓ Opening deformation
  - ✓ Spots/dirt on opening



## In-SPECT-1CV1 User Interface Features

- o Live image display
- o Defects overlay on image
- o History of last 20 inspected bottles
- o Parameters interface for inspection fine-tuning: controlling defect size, sensitivity, camera exposure etc.
- o Camera electronic zoom/focus to adjust different bottle heights
- o Load / save recipe with pre-defined parameters per bottle type
- o Easy calibration for new product – automatic adjustment for different dimensions
- o Multiple privilege levels: Operator, Supervisor and Administrator
- o Password protection for supervisor/administrator levels
- o Built-In-Test (BIT) and diagnostics for easy troubleshooting
- o Zoom-in for detailed view of the product and/or defect
- o Image saving option, based on inspection result

## In-SPECT-1CV1 System Components:

- o Fully working vision system easily integrating into production line
- o Camera with electronically controlled zoom/focus
- o External ring light illumination
- o Sensors for product detection and rejecting
- o Airflow for contactless products rejecting
- o Timing controller for encoder-based synchronization
- o Light controller for light strobe operation
- o Diagnostic lights

