SENCON
SENSING • TESTING • GAUGING

Label Verifier



A high performance, cost-effective system that detects and rejects cans with incorrect labels on decorated can lines

Label Verifier detects and rejects cans with incorrect labels on 2-piece (DWI) beverage can lines. The problem of mixed labels is caused by “rogue cans” left on the line after a batch changeover. Reliably detecting these cans at source is vital for reducing time consuming HFIs and avoiding costly customer complaint. It is also used to detect upside-down or inverted labels on 3-piece aerosol lines.

- **Minimizes the risk of mixed label HFI’s**
- **Detects mixed labels/’rogue cans’ with low false rejects**
- **Easy to learn, easy to run**
- **High performance, low cost system**
- **‘Last Label Protection’ for maximum protection during batch changes**
- **Compact design and small footprint for easy install with minimal disruption**

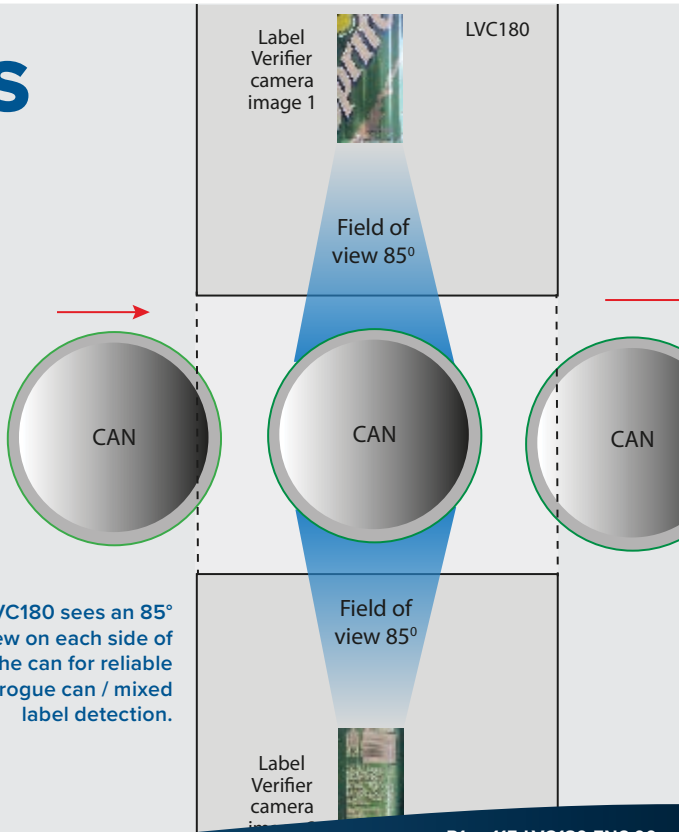
Ordering Information

CODE	DESCRIPTION
LVC180	Label Verifier: For mixed label inspection

IDENTIFIES AND REJECTS 'ROGUE CANS'

Incorrectly decorated cans hinder production by creating quarantine situations, commonly known as Hold-For-Inspection (HFI). These situations can arise from rogue cans left on the line after a batch changeover or due to poorly applied decoration. Identifying and rejecting these defective cans is crucial in reducing HFI’s and preventing customer complaints. Even at speeds exceeding 3,000 cans per minute, the Label Verifier mixed label inspection unit can detect rogue cans leftover from a previous design run.

MINIMIZES THE RISK OF MIXED LABELS: Label Verifier’s dual-sided 85° view of the can provides a significantly wider perspective compared to similar systems, ensuring highly reliable mixed label detection. This approach can substantially reduce the incidence of HFI’s, saving time, money, and promoting brand protection.



LVC180 sees an 85° view on each side of the can for reliable rogue can / mixed label detection.

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TECHNICAL SPECIFICATIONS

Cans Accepted:	Heights between 50mm (2”) and 228mm (9”) Diameters between 25mm (1”) and 110mm (4,25”)*
Inspection Area:	**Minimum inspection height 50mm (2”)** **Maximum inspection height 178mm (7”)**
Machine Throughput:	4,000 can per minute
Field of View:	180° circumferential
Measurement Features:	Detection: 100% detection of mixed label (pattern must be 20% different) Defect spot size: Typically 1⁄2” (12.7 mm) square depending on orientation Color variation: Adjustable to Delta E 0.1

PLEASE NOTE: LVC180 is not designed to detect thin lines or scratches
*With Thin Frame Adapter, maximum can diameter 114mm (4.50”) special order
*With Interior Mounted Lens, maximum can diameter 120mm (4.75”) special order

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MIXED LABEL INSPECTION

LOW FALSE REJECTS: The risk of accidental rejects is typically between 1/40,000 to 1/500,000 depending on the sensitivity selected. Spoilage rates are much lower than those caused by less capable systems.

EASY TO LEARN, EASY TO RUN: Simple push buttons make the LVC180 very easy for operators to use:

- **TRAIN:** learns a new batch label
- **RUN:** activates label inspection
- **STOP:** disables the system

Periodically wiping the inspection windows is the only maintenance required.

HIGH PERFORMANCE AND LOW COST: When it comes to performance and price, Label Verifier breaks all the rules, allowing rapid payback on your investment compared to other vision systems.

LAST LABEL PROTECTION: The unit remembers the label from the previous batch, protecting the line when learning a new label at the start of a batch.

ADVANCED USER INTERFACE: Label Verifier is supplied with an Advanced User Interface as standard. Operators can monitor live data, instantly view the last defect registered, save defect images, and load/save previously trained labels.

INSTALLATION: The unit is designed for mounting on a single file track or elevator, typically just before the palletizer. The optional part tracker and reject unit allows the system to operate independently at any point on the line. The control buttons can be sited away from the camera unit, ideally in or near a local control panel such as the palletizer.

PG5600 AUTO ENAMEL RATER

THE IDEAL SOLUTION FOR

END OF LINE POROSITY RECHECKS

Sencon's PG5600 is a simple, fast and affordable Automatic Enamel Rater. Its compact footprint makes it ideal for locating in restricted spaces such as next to the palletizers for final rechecks.



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