

## Label Verifier

LVC180



**MIXED LABELS** — The problem of “mixed labels” is caused by rogue cans left on the line after a batch changeover. Detecting and rejecting these cans without causing unnecessary spoilage is vital for reducing HFIs and avoiding customer complaint.

**MINIMIZES THE RISK OF MIXED LABEL HFIs** — Label Verifier’s twin sided view of the can is much wider than that of comparable systems, ensuring very reliable mixed label detection. This can significantly reduce HFIs, saving time and money and promoting brand protection.

**LOW FALSE REJECTS AVOIDS UNNECESSARY SPOILAGE** — 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** — Self-learning technology needs no programming skills and removes the risk of incorrect set-up. Simple push buttons make the LVC180 very easy to use. “Train” learns a new batch label, “Run” activates label inspection and “Stop” disables the system. The only routine maintenance requirements is to wiping the inspection windows periodically with a cloth.

**ADVANCED USER INTERFACE** — Label Verifier is now 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.

## FOR DETECTING AND REJECTING CANS WITH INCORRECT LABELS ON DECORATED CAN LINES

A high performance, cost effective vision system

### BENEFITS

Minimizes the risk of mixed label HFIs — reduce resorting costs
Low false rejects — avoid unnecessary spoilage
Easy to learn, easy to run
‘Last Label Protection’ for maximum protection during batch changes
Compact design / small footprint for easy install with minimal disruption
Advanced User Interface with label learn / recall function

**HIGH PERFORMANCE / LOW COST** — The LVC180 combines high performance levels with significantly lower cost than other vision systems. Its compact design and small footprint make it easy to install with minimal disruption.

**LAST LABEL PROTECTION** — The unit remembers the label from the previous batch, protecting the line even while a new label is learned at the start of a batch.

**INSTALLATION** — The line side inspection housing is designed to be mounted on a single file track or elevator, typically just before the palletizer. The optional part tracking and reject unit allows the system to operate independently at any point on the line. The three control buttons can be located away from the camera unit, ideally in or near a local control panel such as the palletizer.



### ORDERING INFORMATION

#### Color LVC

Minimum can height	2" (50 mm)	Min. inspection height	2" (50 mm)
Maximum can height	9.0" (228 mm)	Max. inspection height	7" (178 mm)
Minimum can Ø	1" (25 mm)	Min. inspection width	1" (25 mm)
Maximum can Ø*	4.25" (109 mm)	Max. inspection width	3.5" (89 mm)

\* With Thin Frame Adapter, maximum can Ø 4.50" (114 mm) special order

\* With Interior Mounted Lens, maximum can Ø 4.75" (120 mm) special order

### FEATURES

<b>Operational speed</b>	4000 cans per minute
<b>Field of view</b>	180 degree circumferential
<b>Camera technology</b>	Color Sony CCD. Self contained, embedded system. No PC or moving parts
<b>Lighting: Solid state white LED strobe lamps</b>	
<b>Detection: 100% detection of mixed label (pattern must be 20% different)</b>	
<b>Defect spot size: Typically ½" (12.7 mm) square depending on orientation</b>	
<b>Color variation: Adjustable to Delta E 0.1</b>	
LVC180 is not designed to detect thin lines or scratches	

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Product details may change due to continual development. Please consult Senccon directly for the latest specifications.

