

INSPECTOR

PRODUCT DATA SHEET

VZ I2



CONTAINER LABEL INSPECTION SYSTEM



Product Summary

The V-viz high speed label inspection system performs 100% inspection of cans or bottles, giving the manufacturer absolute confidence in the integrity of the batch.

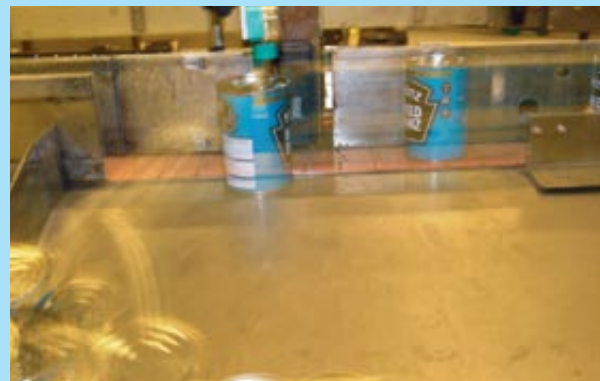
A high speed tracking system monitors the travel of every container through the labeller and inspection system. It removes every one that fails and ensures they are not passed downstream to distribution.

The V-viz label inspection system integrates within existing labelling machines. If the system identifies successive rejects it will automatically prevent the labeller from feeding more containers into the system; containers which would otherwise be needlessly wasted.

An automatic teach facility is incorporated. It is utilised by the operator at the beginning of the batch – this means that the addition of new art work or promotional labels does not cause any interruption to production or require any intervention from V-viz. Instead the system automatically learns the unique features of the very first container in the batch, displays them on screen and asks the operator to confirm that this label is correct. Every subsequent label is then compared to the first.

The label inspection system will

- (a) confirm presence of a label on the can/bottle
- (b) confirm that the label is correctly orientated and not skewed
- (c) confirm that the correct label has been applied
- (d) check for trailing labels
- (e) check for turn backs on the seam of the label



The base system comprises the high speed tracking system, rejecter and label presence, label skew, label orientation and label correct inspections.

Trailing label and turn back inspections are additional options.

The label inspection system is supplied with a user interface which displays the process information, i.e. number of cans processed, passed, failed and reasons for failure. This allows the manufacturer to address the causes of the rejects, which in turn increases output.

Statistical information is stored on the system, complete with start and finish times, for every batch processed. This information gives the user visibility on throughput, efficiency and production performance.

INSPECTOR

PRODUCT DATA SHEET

VZ I2



CONTAINER LABEL INSPECTION SYSTEM

Why Choose V-viz?

Successfully specifying and deploying vision based inspection system requires proven expertise and experience. It is essential that lighting, optics and algorithms are selected and applied to take account of product and manufacturing variations, line speed, throughput and performance requirements. V-viz have many years experience and great expertise in applying machine vision to manufacturing environments ensuring that the customer has trouble free and robust performance.

Features and benefits

- 100% inspection
- Integrates with labeller (will automatically stop labeller if successive incorrect labels are identified)
- Minimal interaction required with operator
- Batch change over is simply facilitated with the auto teach mechanism which takes seconds to execute
- Throughput up to 1500 cans a minute
- Confirms the presence of a label on EVERY product
- Ensures that EVERY label is correctly orientated and not skewed
- Ensures that the correct label has been applied to EVERY container
- Removes EVERY container with a trailing label from the production line
- Removes EVERY container with turn backs on the seam of the label
- Eliminates risk of a product re-call therefore guaranteeing very quick return on investment
- Impulse rejecter ensures increased stability of product being rejected.



For any further product information or application details please contact: +44 (0)870 242 2515 www.v-viz.com

About V-viz Ltd

V-viz was established in 2004 as an independent machine vision solution provider and has been successfully supplying and deploying inline machine vision inspection solutions to leading global manufacturing companies ever since. Recognising the value added expertise and experience in machine vision V-viz brings the Company was audited and certified as a Siemens AG "Specialist Machine Vision Solution Partner" in 2008. We are the appointed and exclusive Technology Partner for both Festo GB and Datasensor UK for all machine vision applications.

V-viz prides itself as a proven competent and reliable supplier of integrated machine vision inspection systems and has a rapidly expanding global customer base across Automotive, Food & Beverage, Consumer Goods, Medical Device, Pharmaceutical and Primary Metals.

Making a significant and successful investment in automated inspection requires selecting a vendor whose proven expertise and understanding of applying the technology into a manufacturing environment ensures the success and long term reliability of the solution. By contracting V-viz customers ensure that their investment is adopted successfully, effectively and to the highest possible standards of on-going support.