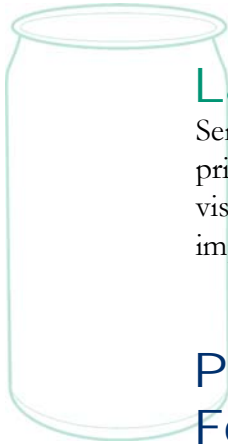


News & Views

KEEPING YOU UP TO DATE WITH CONTROL AND QUALITY SOLUTIONS FOR CANMAKING LINES

PUBLISHED BY
SENCON
CONTROL DOWN THE LINE



Label Protection Price Breakthrough

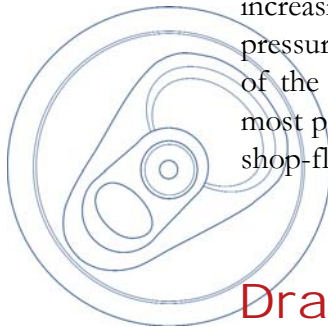
Sencon has broken new ground in price/performance terms for on-line vision systems. The new Label Verifier is impressing canmakers across the world.

▶ PAGE 2

Practical And Economic Testing For Micro-Leaks

Testing for micro-leaks in can lids is increasingly demanded by customer pressure. Sencon looked at the realities of the factory environment and offer the most practical, durable and economic shop-floor solution.

▶ PAGE 3



Dramatically Reduce Weld Wire Breaks!

Weld wire breaks can be reduced significantly by eliminating poorly applied coating margins. Sencon have the tools for the job.

▶ PAGE 4



Are Variable Measurements Costing You Money?

Rough and ready measurement of coating weight may have been sufficient in the past, but coatings prices are rising rapidly. Sencon has the most consistent dry coatings measurement probe available, helping to tighten tolerances and save on coatings costs.

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Mixed labels in the same pallet is generally regarded by customers as a serious fault, so at the very least such incidents cause costly delays and loss of production as whole pallets are held for inspection.

The problem occurs when "rogue" cans from a previous run (a sugared product, for example) get mixed in with the current batch (a "diet" version of the same brand, perhaps). This can happen if cans get stuck on dead plates or other hard to reach places, only to be dislodged and swept along with a later batch.

Label Protection Price Breakthrough

Until now the cost of vision systems have often been prohibitive and the systems themselves have proved difficult to live with, involving steep learning curves, high initial reject rates and disruptive installation. Sencon's new Label Verifier has broken all these barriers.

Some major canmakers and fillers in North America, Europe and Australasia are already impressed by the performance of Sencon's Label Verifier, a mixed label detector that works at line speeds up to 3000 cpm and only needs a single button press to learn a new label pattern.

Then with an extremely low false reject rate, the Label Verifier rejects any rogue cans that appear on the line. It will also detect what we term 'major decoration defects', preventing these problem cans from getting through to the customer.

The Label Verifier is a compact, one-box solution, needing no external controllers. It fits neatly over just six inches (15cm) of single file trackwork - typically after the light tester on a can line or after the pasteuriser on a filling line.

The Label Verifier is quick to install and easy to use, but most impressive of all is the fact that it costs only a fraction of the price of competitive systems.

PROTECTION AT ALL TIMES

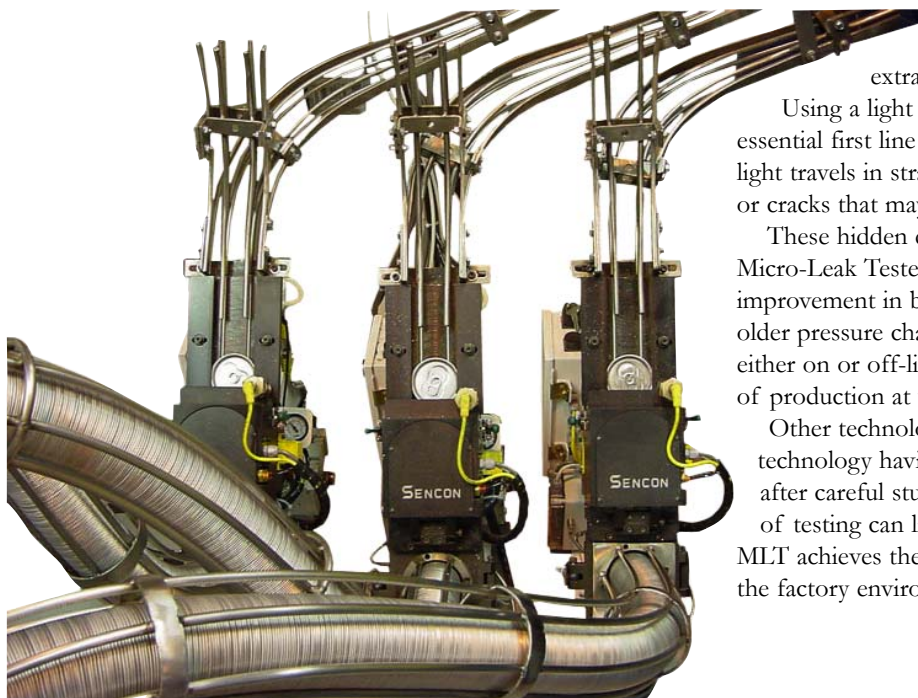
The Label Verifier keeps protecting the line even when it is in Train mode at the beginning of a batch. While learning the new label pattern, it still remembers the label from the last batch.

So it can reject any rogue cans left over from the previous batch, making batch changeovers smooth and trouble free. The Label Verifier's special Last Label Protection makes sure you are protected at all times.

For more information on this product tick the box on the reply sheet

Label Verifier

Practical And Economic Testing For Micro-Leaks



Testing for micro-leaks in can lids should not be considered an optional extra in today's increasingly demanding market.

Using a light tester, such as Sencon's ELTP, is an essential first line of defence against leaks. However, since light travels in straight lines, it won't find complex fractures or cracks that may be lurking under the rivet or the tab.

These hidden defects can be found by using Sencon's Micro-Leak Tester (MLT), which represents a considerable improvement in both sampling rate and test capability over older pressure change testers. MLT uses compressed air for either on or off-line sampling with a capability to test 2.4% of production at up to 18 ends a minute.

Other technologies for gas leak testing are possible, each technology having theoretical pros and cons. However, after careful study of the practical limitations and realities of testing can lids on the shop floor, Sencon believes that MLT achieves the best approach to micro-leak detection in the factory environment.*

The Micro-Leak Tester (MLT) from Sencon, which is available in both on and off-line sampling models, provides practical, durable and economic protection against micro-leaks in can lids.

"WALK THE BELT" FOR BETTER SAMPLING

MLT has the added ability to prevent sampling patterns falling into sync with the belt, which could mean that the same pockets are sampled repeatedly while others are missed.

Using the intelligent 'Walk the Belt' option ensures that the sampling rate remains non-synchronous with the press belt, for more comprehensive monitoring and protection.

The compressed air technology used by MLT means that it has low running costs. It simply draws on the factory's existing supply, cleaning and drying the air for test use. No additional installation, storage and inspection regimes are required, as would be the case with helium, for example.

MLT also requires very little maintenance. Just wiping the seals daily to keep them free of debris, such as dust and aluminium fines, ensures optimum and reliable performance.

MLT's flexible, modular design allows it to be installed in a budgeted roll out to suit the needs of different press configurations. Currently 54 new units are due for installation on endmaking lines across the world.

For more information on this system
tick the box on the reply sheet

MLT

*A white paper discussing these issues in more technical detail is available from Sencon



Dramatically Reduce Weld-Wire Breaks!

One of the most common causes of weld wire-breaks has its origins back at the coater. If sheets are not properly aligned, then the weld margins will be out of place. This is what leads to breakdown at the welder and sometimes to porous welds on the finished can - a more serious quality issue.

Sencon's SC415 Skew Detector, which is successfully running in a wide range of 3pc plants, alerts operators to sheets that are going through the coater at an angle.

A related problem occurs if sheets drift sideways, so the weld margins are offset to left or right. Sencon also have the solution to this problem. The SC415 can be complemented with the SC430 detector head, which offers another level of control for sheets going through the coater. The SC430 immediately signals if a sheet is not sitting next to the guide rail, which would result in the margins being displaced to one side. As a combined system, the SC415 and SC430 sheet alignment detectors provide all round protection of margin placement at the coater. This has been found to dramatically cut stoppage time and wasted resources through weld wire breaks.

Eliminating errors in the application of weld margins at the coater has a significant effect on reducing production hold-ups and quality issues further down the line.

For more information on this product tick the box on the reply sheet
SC430 Skew Detection upgrade

Are Variable Measurements Costing You Money?

Digital measurement gauges give very precise measurement values, but the user can inadvertently affect the results. This is especially true where the operator has to manipulate the probe during the test.

Research into measurement variability has shown that a consistent vertical pressure must be applied to a test probe to obtain consistent results. This is very difficult to achieve with manual probes, because they require each and every operator to press the probe onto the sheet with an identical downward pressure.

Sencon's unique Hoverprobe design uses a fixed weight to press the probe automatically onto the sample. This makes for a very consistent and repeatable measurement with world class R&R.

Is this extra level of performance really necessary?

If coating weight measurements suffer from a degree of variation, then you have to err on the safe side when applying coatings in order to be sure that target weights are met. In doing so, a percentage of unnecessary coating is always being applied. This is clearly wasteful.

With reliable measurements from the Hoverprobe, the coating process can be brought under tighter control. Given rising costs, even a small reduction in coatings usage will quickly deliver a return on the investment. The Hoverprobe will then go on saving money and raw materials.

For more information on this product tick the box on the reply sheet
Coatings Thickness Gauge & Hoverprobe

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