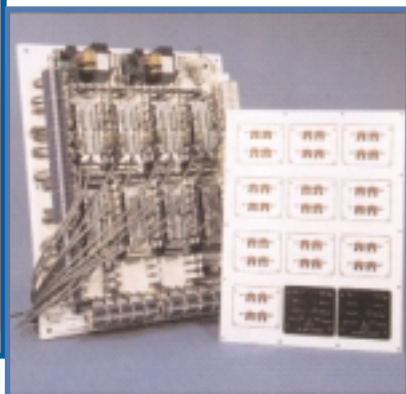


NEWS & VIEWS

New Spray Timer Systems from Sencon



Lacquer savings of around 5% are claimed with the new Digital Lacquer Spray Timer from Sencon.

Sencon's new Digital Lacquer Spray Timer system uses carefully engineered solenoid drivers that reduce the turn-on and turn-off times for the spray gun. This means that the correct spray fan pattern is established more quickly and far more consistently. Less time is spent with the solenoid in the half open state, giving better control of spray pattern, more consistent coverage and less waste lacquer.

A further new feature is what the Sencon terms "wrap control". This is explained as controlling the spray gun in association with can spin to achieve a set number of internal spray layers or wraps. This allows overlap to be controlled and a far more even film distribution to be achieved.

Better control of film distribution combined with reduced spray weight variability should allow film weight targets to be reduced without sacrificing quality. The system also overcomes the problem with sticky spray gun armatures that can

often result in mis-sprays or short sprays after the spray machine has been idle for a short time.

The combination of less waste, improved quality and increased production speeds provide immediate rewards for users of the Digital LST system. Initial investigations have shown between 4% and 8% lacquer savings to be possible on installations using earlier Sencon systems. When compared with non-Sencon control systems, savings of up to 25% have been reported. This implies a payback on investment within a few months.

The new package is modular and designed such that earlier Sencon spray timer systems can be upgraded very cost effectively. It is compatible with all spray guns up to 40 watts and the DI output option is also compatible with the new Nordson MEG gun.

For more information please circle 'Digital LST' on the reply sheet.

VOLUME 15
Autumn 1999

In this issue

New Digital Lacquer Spray Timer System.....Page 1

New Formed Can Probe offers enhanced R&R.....Page 2

Can Count Sensors for SCADA system development.....Page 2

Cost Cutters.....Page 3

ELTP wins votes.....Page 3

New-Look Website.....Page 3

Extensive Range means "One Stop" shopping for Coating Line systems.....Page 4

News & Views is published by:

SENCON
CONTROL DOWN THE LINE

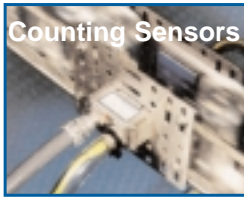
Sencon Sensors for SCADA Systems

Sencon have a diverse range of count sensors, modules and totalisers that should be of interest to any of our customers currently implementing SCADA (data acquisition and control) systems.

In high volume manufacturing where profit margins are very small the enemy is spoilage. Spoilage of even a few percent will quickly erode profit. Our count systems can be used to identify the exact sources of line spoilage to allow a targeted and measured spoilage reduction program.

When considered against the cost of spoilage these systems have a very quick payback.

Counting cans in trackwork, on conveyors, on in-feeds or discharges is notoriously difficult and



beyond the ability of standard inductive or optical sensors. The round can shape coupled with inherent shaking, jiggling and reversing may create serious counting errors. An inaccurate count is often worse than no count at all.

These problems are eliminated with Sencon can count sensors. Designed exclusively for achieving reliable high accuracy counts, the sensors allow production or spoilage data to be accurately and precisely monitored with 100% confidence.

Sencon's sensors have the following features:

- **Unparalleled accuracy**

Sencon's famous count accuracy is

possible thanks to our own custom microchip design and advanced sensing technology.

- **Unidirectional sensing**

By sensing the direction of can flow those cans that are shaking or are bounced back in the reverse direction are never counted twice.

- **Continuous reliability**

By eliminating user adjustments or maintenance these sensors provide a 'fit and forget' approach to can counting.

- **Divided output option**

Built-in circuitry is available to give a divided output with an almost even mark space ratio. This provides a more manageable output duration for interfacing to displays and other equipment.

For more information please circle 'Sensors' on the reply sheet.



New Formed Can Probe offers excellent gauge R & R

Following extensive customer research, Sencon has made a number of valuable improvements to the popular Formed Can Probe.

The new SI9507 Probe offers greater gauge R&R, more accurate readings, and easier operation.

Although visually similar to the previous model, the new instrument can be identified by a metal screen around the probe tip, designed to eliminate electrical interference with capacitive lacquer measurements.

The new probe also features adjustable spacing rings around the lower probe arm to aid accurate and repeatable positioning of the test can.

The probe mechanism is carried within a revised mounting block, which contains a mini hydraulic damper to ensure that the probe always descends at the same speed. Controlled closure of the probe tip on to the test can has been shown to improve the consistency of frequent readings.



Screened Probe Tip cuts electrical interference.



Shaped Anvil reduces can damage

There is now no lock to hold the probe tips apart, ensuring that the tip is always held at the correct compression necessary for testing.

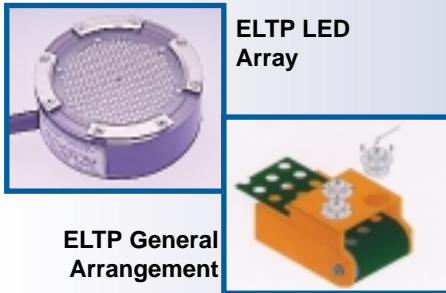
Finally, the lower anvil is now shaped to reduce the possibility of test can distortion during measurements.

The developments mean that the SI9507 gauge allows faster operation with highly accurate, repeatable measurements. These changes are Sencon's response to customer experience and many helpful comments, where individual operator practice was found to influence gauge R&R performance to a large extent.

For more information please circle 'SI9507 Can Probe' on the reply sheet.

ELTP Wins Customer Approval

The recent launch of an upgraded End Light Tester Package, using LED (Light Emitting Diodes) technology, has won acclaim from many customers.



ELTP LED Array

ELTP General Arrangement

New systems have been ordered from countries around the world, including Greece, Sweden, Taiwan and Saudi Arabia in addition to the UK and USA.

The LED version of the ELTP is a totally solid state system which offers high reliability and freedom from performance degradation due to light pollution of the sensor head. The units are designed to compensate for minor component failure, such as individual LED's, allowing the system to continue normal operation until a scheduled service is carried out.

For more information please circle 'ELTP' on the reply sheet.

Cost Cutters

Part 1 of an occasional series

Controlling manufacturing costs is no longer an important issue - it is absolutely essential. The lowest cost producer will be able to win more sales and have more profit. This profit can then be invested in further cost reduction equipment so increasing the advantage over his unfortunate competitors.

Reducing costs needs a broad approach. There are many different types of cost associated with high volume manufacturing. One of the biggest costs in can making is line idle time or "down time".

When the line is down for changeover or adjustment you are losing the potential profit that it and the work force could be generating. Every second counts and the key to success in reducing down time lies in attention to detail.

Most of Sencon's control and monitoring products feature self adjustment and automatic fine tuning. Wherever possible, we eliminate the need for operator involvement. Not only does this

reduce down time, it also reduces the potential for mis-adjustment allowing costly product or equipment defects.

A practical example of this is our double sheet detector. It self-adjusts to

Typical Example:

Adjustment time saved during changeover =	2 minutes
Changeovers per 8hr shift=	1
Adjustment time saved per year=	30 hours
Additional sheets printed/lacquered per year=	150,000
Additional profit at \$0.10 per sheet=	\$15,000
Payback estimate=	Less than 1 month



SC230 Double Sheet Detector

material thickness changes and needs no operator attention during changeovers.

This product will pay back in less than a month, and that's ignoring the saved quality costs and spoilage caused by mis-adjustment of conventional double sheet detectors.

More cost cutting examples next issue.

For more information please circle 'SC230 Detector' on the reply sheet.

New Look Website



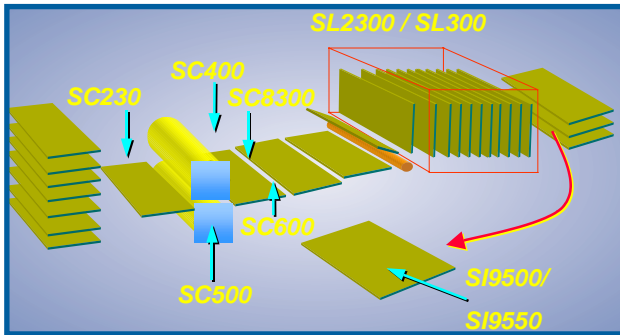
For more information please visit our website at www.sencon.co.uk

Always a pioneer in the use of electronic media for customer information purposes, Sencon recognised that our website had become a little outdated and difficult to manage. We have now invested in a new design which will make full use of modern techniques to display our product range, and which provides full compatibility with all types of web browser. The new-look site has a cleaner, more professional appearance with much improved navigational tools, as well as an easy-to-use enquiry sheet and a section on Frequently Asked Questions.

We are currently developing the site to provide links to other canmaking sites, including those of our customers.

If you would like your own company site to be linked with ours, please complete the website section on the faxback form.

“One Stop” Shopping Cuts Coating Line Costs



Did you know Sencon has a unique product range dedicated to cutting the costs of coating line production?

With its unrivalled understanding of the lacquer line and canmaking processes, Sencon has developed a range of gauges and sensors which, individually or in concert, contribute significantly to lowering your manufacturing costs. Just look at the advantages of choosing Sencon:

- ☺ Sencon has a complete range of products to control the coating line. We are a complete “one stop shop”.
- ☺ Sencon products are sold and supported world wide. This enables the setting of global standards.
- ☺ A global standard means that lacquer line SPC (Statistical Process Control) software only has to be developed once and can be used by everyone without modification. Software costs are naturally also lower, compared to a situation in which hardware forces different software that has to be supported in every country.
- ☺ Having the same equipment in all factories makes comparison of every plant performance and bench marking possible and credible.
- ☺ A reduced number of suppliers generally means lower costs. A good example would be that with a service

contract all equipment can be maintained and calibrated as part of a service contract, in one visit. If more suppliers were used there would be more visits, therefore more costs would become involved.

The Sencon Coating Line range covers every part of the manufacturing process, from

the stack feed to the oven and the quality inspection of sheet samples. Here are examples with brief descriptions of their respective functions:

SC230 Double Sheet

Detector provides reliable protection from multiple sheet feeding. It automatically calibrates and fine tunes itself, is tamper-proof and needs no external controls.



SC400 Skew Detector gives 100% on-line measurement of sheet alignment, reducing spoilage and machine downtime.



403/406 Series Sheet Count

Sensors will accurately count the number of sheets that pass through your process. There are counters for scroll or straight edges.



SC8300 Wet Film Weight Monitor

uses infra-red absorption to measure wet film weights on either water or solvent-based lacquers.



SL2300 Temperature Logging Systems improve oven process control and ensure high can quality in

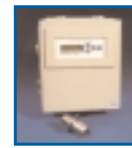
conventional heated ovens.

For UV ovens, there is the **SL300 Logger**, a credit card sized unit which passes through the oven shielding slits, allowing fast, precise logging of oven performance.



SC500 Viscosity Measuring and Control System

is a reliable way to cut lacquer usage and improve quality. Fitted into the feed line from day tank to coating rollers, the SC500 sensor will indicate the viscosity of the lacquer being supplied. The system is used to control the addition of solvent to provide optimum lacquer thickness coating with no waste.



SI9500 Digital Film Weight Gauge and SI9550 Hover Probe

provide rapid assessment of film weight on internal, external or sheet coatings. The gauges are a cost-effective means to reduce costs, enhance can quality and allow quicker machine set-ups.



So, there's a sensor, gauge or system specifically designed for each location on the coating line. Individually, each will provide valuable benefits to your operation. Working together, Sencon's products will give you high quality, lower production costs- and a surprisingly fast payback!

For more information please circle 'Coating Line Range' on the reply sheet.

EUROPE • MIDDLE EAST • ASIA

Sencon (UK) Limited,
Unit P, Blackpole Trading Estate,
Worcester WR3 8SG. United Kingdom.
Telephone +44 1905 755525
Fax +44 1905 456393
Email: sales@sencon.co.uk

WEBSITE

www.sencon.co.uk

THE AMERICAS

Sencon Incorporated,
6385 W. 74th Street,
Bedford Park, IL 60638, USA.
Telephone +1 708 496 3100
Fax +1 708 496 3105
Email: sales@senconinc.com