SENCON
SENSING • TESTING • GAUGING

Internal Spray Detection

Detects unsprayed (bright) cans immediately after the internal spray machines

Sencon's SC7050 Spray Detector (like its predecessors SC7000+,SC7100) inspects wet lacquer inside beverage cans on the outfeed of the Lacquer Spray Machine (LSM), giving immediate warning of spray system problems and preventing bad cans from mixing with good ones. If a problem is detected, the offending spray machine is stopped, but the remainder continue with production to minimize interruption of production output.



- **Bad cans are stopped at the spray machine, reducing spoilage**
- **Self calibrating, self learning**
- **Selectable sensitivity level**
- **Compact and self-contained**
- **Minimal maintenance - just wipe clean each shift**
- **User replaceable inspection window**



Ordering Information

CODE	DESCRIPTION
SC7050	Spray Detector head, quick disconnect cable and mounting bracket. (no Can-Stop)

Optional Extras

CODE	ITEM	DESCRIPTION
CS-100	Can-Stop	Supplied as a spare part (includes quick disconnect cable)

SELF-CALIBRATING, SELF-LEARNING: The sensor learns and stores a value that represents the 'good can'. This value is constantly updated according to how many bad cans are found over time.

The unit continually self-calibrates to compensate for the inevitable accumulation of lacquer on the detector window. However, it is important to wipe the detector window clean at the begining of each shift.

SELECTABLE SENSITIVITY: The system is supplied ready to go, but it is possible to adjust the sensitivity (six levels) to find a balance where false rejects are acceptably low yet the limits are still tight enough to detect unsprayed cans.

OPTIONAL CAN STOP: When a coating error is detected, a reject signal is sent to stop the spray machine and drive the optional can stop which prevents the suspect can entering the production flow. Defective cans are manually cleared.



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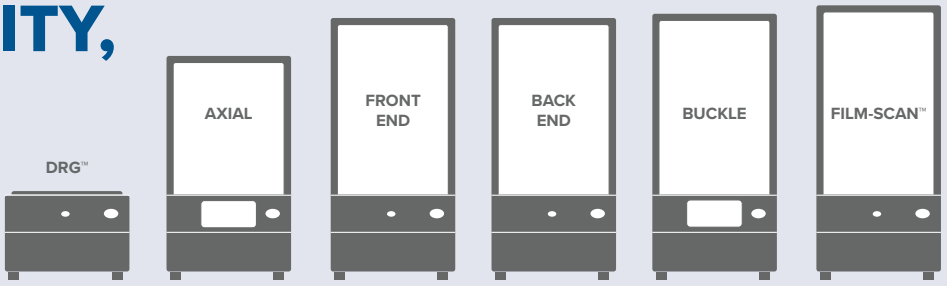
TECHNICAL SPECIFICATIONS

Can Material:	Aluminium and Steel
Cans Accepted:	202 to 211
Machine Throughput:	Designed for continuous feed
650 cans per minute maximum	Measures reflected IR intensity from inside can (correlates to wet lacquer coverage) Simple good can / bad can determination based on auto-learned good can IR levels Bad can output latched on bad can detection Manually-adjustable gain: standard or high gain settings. High gain setting for low-reflective cans such as tall cans or dark steel cans Manually-adjustable sensitivity: 6 sensitivity levels Allows optimisation of triggering threshold
Test Types:	All lacquer types supported
Measurement Features:	Measures reflected IR intensity from inside can (correlates to wet lacquer coverage)
Voltage:	24 V d.c. ± 10%
Temperature Range:	5°C to 50°C (41°F to 122°F)
Relative Humidity:	0% to 80% non-condensing
Ingress Protection:	IP60
Dimensions:	76mm (120mm including cable) x ø100mm
Weight:	0.5kg (1.1lb)
Compliance:	CE marked, complies with relevant EU product directives

*Assuming default sensor settings. In most real installations, performance will be considerably better.

BIG ON CAPABILITY, SMALL ON SIZE

The Benchmark™ range of semi automatic benchtop gauges for the modern can plant



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