

Missing Lacquer Detectors

IS641 & IS651



EXTRA COSTS FROM MISSING LACQUER — If sheets or can stock get through the process in an uncoated or partially coated state, they can potentially cause serious problems: either can corrosion after filling or blunting of the tooling on a DRD press. This can lead to unplanned downtime, excess scrap, even customer complaint — all of which represent unnecessary costs.

RISK REDUCTION — It is now possible to reduce these risks by detecting uncoated sheet or can stock at line speed. The IS641 & IS651 sensors protect machinery and product against the problems caused by missing lacquer on blank sheets. It is designed to detect and signal that lacquer coatings are missing during the production process.

SINGLE OR DOUBLE SIDED — The IS641 or IS651 sensor can be fitted singly for sheet normally coated on one side, or with a second, opposing sensor for complete protection where sheets are coated on both sides.

SELF-ADJUSTMENT AND SELF-CALIBRATION — The Missing Lacquer Detector is a fully self-adjusting and self-calibrating sensor with no need for operator intervention. The sensor automatically detects when a changeover occurs and learns the new lacquer characteristics.

PEACE OF MIND — Once fitted, this unique sensor provides peace of mind because uncoated sheets will be detected and a warning signal given. The output signal for missing lacquer can be linked to a user-defined response to isolate the sheet and protect the press.

PROTECTS MACHINERY AND PRODUCT AGAINST PROBLEMS CAUSED BY MISSING LACQUER ON BLANK SHEETS

A fully self-adjusting and self-calibrating sensor with no need for operator intervention.

BENEFITS

Self-adjustment and self-calibration

User-defined response to reject signal for missing lacquer

A heartbeat signal for every sheet

Make effective process improvements

Promote better operator training

Increase plant efficiency

Both IS641 and IS651 sensors works with all white, coloured lacquers/varnishes.

The IS651 also works with clear varnishes.

HEARBEAT SIGNAL — A heartbeat signal for every sheet assures operators that the sensor is working and coated sheets are passing through the press, guarding your equipment and your reputation. This signal may also be used as a sheet counter for process monitoring and SPC.

CLEAR LACQUERS — Reliably detecting the presence of clear lacquer on sheets is virtually impossible with the naked eye. Sensor manufacturers have also struggled to find a reliable solution to this challenge, but with the IS651, Innosen has achieved this technical breakthrough. For canmakers who do not need to detect clear lacquers on sheets, the IS641 sensor, which detects white, gold and coloured coatings, but not clear lacquers, remains available.

INSTALLATION

On lacquering lines - at the outfeed of the wicket oven
- at the outfeed of the coater

On the DRD can lines - at the entrance to the press

MULTI-COLOUR STATUS INDICATOR

Output pulse duration

Bad sheet

Good sheet

Re-calibration time delay

FEATURES

Response Time	2 milliseconds or better
Minimum lacquer thickness	2 g/m ² (depending on lacquer)
Maximum Line Speed	1200/minute

Self-adjusting and self-calibrating, therefore no need for operator intervention.

Detects when a changeover occurs and learns the new lacquer characteristics.

Reject signal for missing lacquer to initiate user-defined response.

Heartbeat signal for every sheet guarantees the sensor is always working, guarding your equipment and reputation.

The heartbeat signal may be used as a sheet counter for process monitoring.

