

INNSEN

NEWSLETTER MAGAZINE • JAN - SEPT • 2026 EDITION • VOL 8

A GREAT TRINITY OF INNOVATION

Precision. Protection. Intelligence.

Coating Thickness Gauge

CoatPro™ IS860



Enamel Rating Gauge

EnamelPro™ IS810



Intelligent Software

Innolytix® IS1100

QUALITY ASSURANCE FOR METAL PACKAGING

www.innosen.com | info@innosen.com

TABLE OF CONTENTS

03	ABOUT INNOSEN	19	PRODUCT HIGHLIGHT: PROVEN SYSTEMS FOR PEAK PERFORMANCE WITH LESS COST
04	EDITOR'S NOTE	20	MASTERING COATING CONTROL IN METAL PACKAGING
05	NEWS: INNOSEN WELCOMES NEW AGENTS & DISTRIBUTOR	24	A MISSED DEFECT CAN BECOME A \$10M PROBLEM. CATCH IT BEFORE IT LEAVES YOUR LINE.
06	NEW LAUNCH: INTRODUCING THE GREAT TRINITY OF COATING QUALITY	25	ONE MISSED DEFECT CAN COST MORE THAN A YEAR OF INLINE INSPECTION.
09	TEAM SPOTLIGHT: BEHIND THE BENCH	28	PRODUCT HIGHLIGHT: EXPERIENCE POWER IN YOUR HANDS WITH INNOSEN'S IS310 UV LOGGER
10	CANVICT: CASE FILES	29	DEFEAT DEFECTS WITH IS610 PLAIN MARGIN INSPECTOR
11	PRODUCT HIGHLIGHT: WHAT'S NEW WITH IS9651 HOVERPROBE® II?	30	PROTECTING YOUR MARGIN IN THE "STEADY STATE" FACTORY
12	PRODUCT HIGHLIGHT: GET MORE WITH LESS LACQUER!	31	LESSEN THE RISKS OF MANUAL ADJUSTMENTS WITH THESE AUTOMATIC SENSORS
13	PRODUCT HIGHLIGHT: WHEN THE COIL MOVES, EVERYTHING SUFFERS	32	PRODUCT DIRECTORY: QUALITY ASSURANCE AND INSPECTION SENSORS
14	PRODUCT HIGHLIGHT: STRUGGLING WITH YOUR PRINTED LABELS?		
15	PRODUCT HIGHLIGHT: DOUBLE SHEET DETECTOR		
16	PRODUCT HIGHLIGHT: ENAMEL RATING OF TUBES BUT BETTER		
17	ARTICLE: HOW TO MAXIMIZE YOUR COATING LINE SPEED		



Innovative Sensors for Metal Packaging

Quality-Driven. Results-Focused.

Quality assurance experts in every detail.

At [Innosen](#), we're passionate about helping the metal packaging industry make the best products possible—efficiently and reliably.

With decades of experience in every step of metal packaging, we understand the challenges you face on the production line. That's why we've developed smart sensors and solutions that catch problems early—from double sheets, contaminated margins to coating defects—so you can avoid costly downtime and keep things running smoothly.

We're proud to lead the way in enamel rating, offering unmatched expertise and capability. And now, our own software to help you monitor and improve quality like never before.

Working closely with our customers in over 70 countries, **we don't just sell products—we build partnerships.** We listen, learn, and create solutions that match your specific needs because your success is our success.

[Innosen](#) has been there to deliver solutions to production issues. No matter how big or small the problem is, we're always pushing to make your production lines and processes in metal packaging better, smarter, and more efficient.

What better way to help the metal packaging industry become more efficient than providing Innovative Sensors for their production needs?

Avoid downtime. Choose [Innosen](#).
Your Partner in Quality.



The Team

Blesilda Yu
Managing Editor

Jeniña Muñoz
Editor-in-chief

Brian Eres
Lead Designer

Jeni Lazarte
Editor

Mark Valisno
Contributor

Editor's Note

Welcome to another edition of the Innosen Magazine and what a year it has been.

This year marks an important milestone for Innosen as we introduce a new generation of technologies built around one fundamental idea: making canmaking smarter, simpler, and more reliable.

The industry is entering a new era. Automation, connected data, and artificial intelligence are reshaping the way manufacturers monitor processes, make decisions, and respond to challenges on the production floor. Yet as technology becomes more sophisticated, we believe the experience of using it should become simpler, not more complicated. Technology should not create another layer of work. It should take the burden away. With the launch of IS860 CoatPro™, IS810 EnamelPro™, and IS1100 Innolytix®, we are bringing together what we believe is a unique trio of technologies for coating inspection, measurement, and data intelligence. Together, they represent a more connected approach to quality control, helping canmakers see what is happening on the line, understand why it is happening, and take action before small deviations become costly problems.

But these three products represent more than a product launch. They reflect an important milestone in Innosen's own journey and, more importantly, the kind of company we strive to be: curious, innovative, and relentlessly focused on finding better ways to solve the challenges our customers face every day.

Innovation, after all, is not simply about introducing something new. It is about making a meaningful difference. That is improving processes, reducing uncertainty, and giving people the information and confidence they need to make better decisions.

As we look ahead, we are excited about what this new generation of technology can bring to the canmaking industry. There is still much to explore, improve, and reimagine.

Here's to smarter technology, more confident decisions, fewer headaches on the production floor, and an exciting new chapter for canmaking.

Welcome to the future of smarter canmaking.

Jeniña Muñoz
Editor-in-Chief

Innosen Welcomes New Agents & Distributor

Better canmaking support, right where you need it.



Jack Knight ("Uncle Jack") — USA Agent

A familiar name in the metal packaging industry, now your local point of contact for sales and technical support across the USA.

Michael Teo — Southeast Asia Agent

Of Far East Industrial Material Suppliers Pte Ltd, Singapore, bringing years of canmaking QA expertise to customers in Singapore, Indonesia, and Malaysia.



Song Song Co., Ltd. — Vietnam Distributor

Now Innosen's official distributor in Vietnam, expanding local access to products and technical support in Ho Chi Minh City and beyond.

Three new faces, one shared mission: stronger, closer support for canmakers everywhere.

The Great Trinity of Coating Quality

Coating Thickness Gauge

CoatPro™ IS860

Intelligent Software

Innolytix® IS1100

Enamel Rating Gauge

EnamelPro™ IS810

Three products, designed, engineered, and launched together, to measure the coating and act on it before the scrap is made.

Launched at **Metpack 2026** · Messe Essen · Hall 3, Stand 3E41

For years, when you measured coating thickness, you were likely using **Innosense** technology. We engineered the flat-sheet and tube probes behind the industry's established readings, which gave us a front-row seat to exactly where the old system stopped short. The bottleneck was never the measurement. It was everything that happened after: data trapped on a serial port, exported to a CSV, and parked in a spreadsheet that only gets reviewed once the scrap is already made.



At Metpack 2026, **Innosense** answered with the most significant product launch in its history: the first fully unified coating quality system in canmaking. The Trinity covers the two most critical coating measurements in any QA laboratory, coating thickness and enamel rating, and binds them into a single live, intelligent software.

Precision. Protection. **Intelligence.**



IS860 **CoatPro™** - measure it once, trust it at a glance

CoatPro™ brings advanced capacitance technology to lacquer thickness measurement, delivering real-time readings across flat sheets, formed cans, tubes, and aerosols. It builds on the capacitive principle behind the Hoverprobe® II: the lacquer acts as a dielectric between two conductive surfaces, so as coating thickness changes, so does capacitance.

Linearity better than 1%

Onsite annual calibration, zero downtime

IP65 powder-coated stainless-steel housing



IS810 **EnamelPro™** - not just that it failed, but where

EnamelPro™ redefines enamel rating by telling operators not only that a failure exists, but exactly where. Pre-test contact verification and electrolyte level monitoring make sure every test starts correctly, and reverse-voltage defect localization pinpoints the lacquer failure on cans, tubes, aerosols, ends, and flat sheets.

Pre-test contact verification

Electrolyte level monitoring

Reverse-voltage defect localization



IS1100 **Innolytix®** - the brain of the Trinity

Innolytix® connects CoatPro™ and EnamelPro™ into a single live dashboard, capturing every measurement from every connected gauge, every shift. Line graphs reveal trends before they become problems, and heat maps show where a deviation is coming from. The result is automated, data-driven decisions instead of spreadsheets.

Up to 99 operator profiles

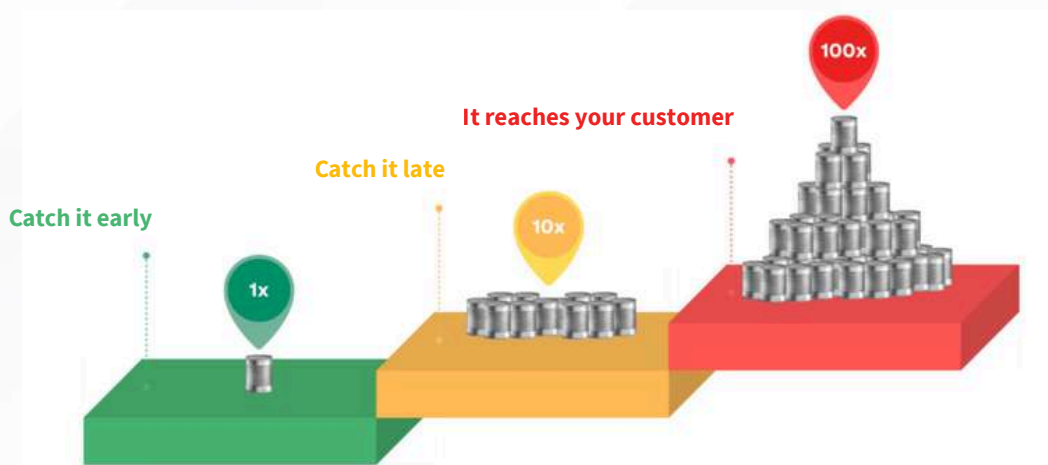
Traceability by job, batch, shift, and operator

Supports Sencon & CMC-Kuhnke gauges

“You don't need data. You need information.”

Why it works as a system

A perfect reading on an isolated screen has never stopped a bad batch from shipping. That's not a gauge problem; it's a visibility problem. The quality world has a rule of thumb for what that costs.



Isolated gauges keep you on the expensive end of that curve, because drift goes unseen until it has already crossed a specification limit. With Innolytix®, every measurement lands on the dashboard the instant it's taken.

Real-time UCL/LCL and USL/LSL alerts flag drift as the trend forms, so it shows up as a line on a chart rather than a rejected batch on the floor. There is no export step and no waiting on a spreadsheet review.

FEATURE	ISOLATED GAUGES	IS1100 INNOLYTIX®
Data Access	Manual export, one gauge at a time	🟢 LIVE DASHBOARD: every connected gauge, one screen
Drift Detection	Reviewed after the batch is done	Real-time UCL/LCL and USL/LSL alerts
Traceability	Scattered logs, manual entry	By job, batch, shift, and operator
Reporting	Manual spreadsheet work	CSV export, heat maps, trend charts
Connectivity	Serial output, standalone gauge	RS485 (via USB C) and Ethernet
Display	LCD + keys	7" touch + glove-friendly jog wheel

Accuracy is on par across capacitance gauges (<1% linearity). The difference is what happens after the reading.

Behind the Bench

Rigorous testing, from development to launch: **R&D, product operations, and management** gathered around the table to put **IS860 CoatPro™** and **IS1100 Innolytix®** through user acceptance testing, checking the gauge and software together as one system.



Tested at every stage

IS860 CoatPro™ and **IS1100 Innolytix®** didn't arrive at launch by chance. Testing ran through the whole development process, from early builds to the final release.

Sessions like the one pictured brought **R&D, product operations, and management** to one table to test the gauge and its software as a single system. The question was never only whether the reading was right, but whether it reached the operator when and where they needed it.

“A product isn't ready until it works the way an operator actually uses it, so we test the gauge and the software together, round after round, before it goes anywhere.”

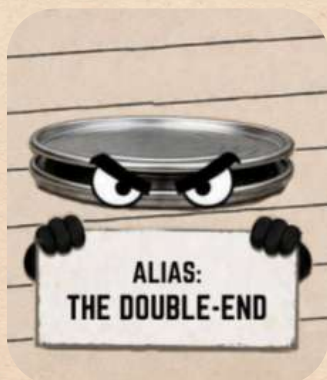
— **Product Operations, Innosen**

That habit of testing early, often, and together is why **CoatPro™** and **Innolytix®** arrived ready for the production floor.

Stop measuring what happened.

Manage what is happening.

CANVICT: CASE FILES



A **double-end** may look harmless—until it enters your conversion press.



KNOWN FOR: Causing costly downtime, weld wire breakage and disrupting production.



CRIME: Missing side seam lacquer

MEET THE SYSTEMS



Tab Verifier **IS240**

Detects double end and missing tab on conversion press. Small and modular, compatible with both aluminium and steel.



Sheet Skew Measurement System **IS416**

Detects skewed sheets and rotation as they leave the coater.



Missing Side Seam Lacquer Detector **IS670**

Detect the missing outer lacquer, incomplete or non-lacquered gap on the side seams of 3pc cans before it moves any further.

What's New with Hoverprobe® II?

The **IS9651 Hoverprobe® II** is the latest and improved version of the pioneering **IS9650** equipment for coating thickness measurement.

It boasts several major upgrades that enhance its overall durability, ease of use, and versatility.



Robust Cable Design

Say goodbye to connectivity woes! Our **Hoverprobe® II** features a robust cable design that ensures seamless connections while protecting against electronic damage. It's the lifeline your equipment deserves.



Redesigned Probe Tip

Time is money, and we're all about saving both! The **Hoverprobe® II** boasts a redesigned probe tip that makes extraction a breeze and minimizes those long settling times. Get ready to work faster and smarter!



Improved Metal Base

We've taken durability to a whole new level! The **Hoverprobe® II's** metal base has been designed to withstand the harshest conditions and comes with a high resistance against unsightly scratches. It's built to last.

Alternative Probe

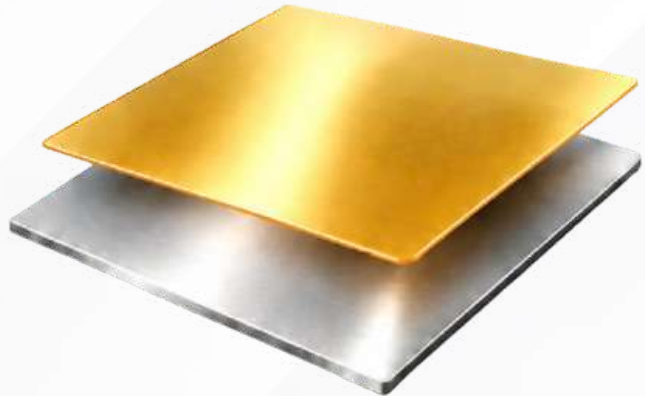
Versatility meets innovation! The **Hoverprobe® II** offers you the freedom to use the metal base as a probe as an alternative to crocodile clip, giving you unparalleled flexibility in your measurements. It's your tool, your way.

The more precise lacquer application on sheets,

THE HIGHER THE SAVINGS!

Lacquer is Expensive!

Apply just the right amount of lacquer on your sheets! No more, no less!



Use the best coating thickness equipment in the market!

IS9651 Hoverprobe® II

Accurately measures the coating thickness of your metal sheets.



Floats quickly and easily on a cushion of air without damaging the sheet.



Fast accurate and highly repeatable readings.



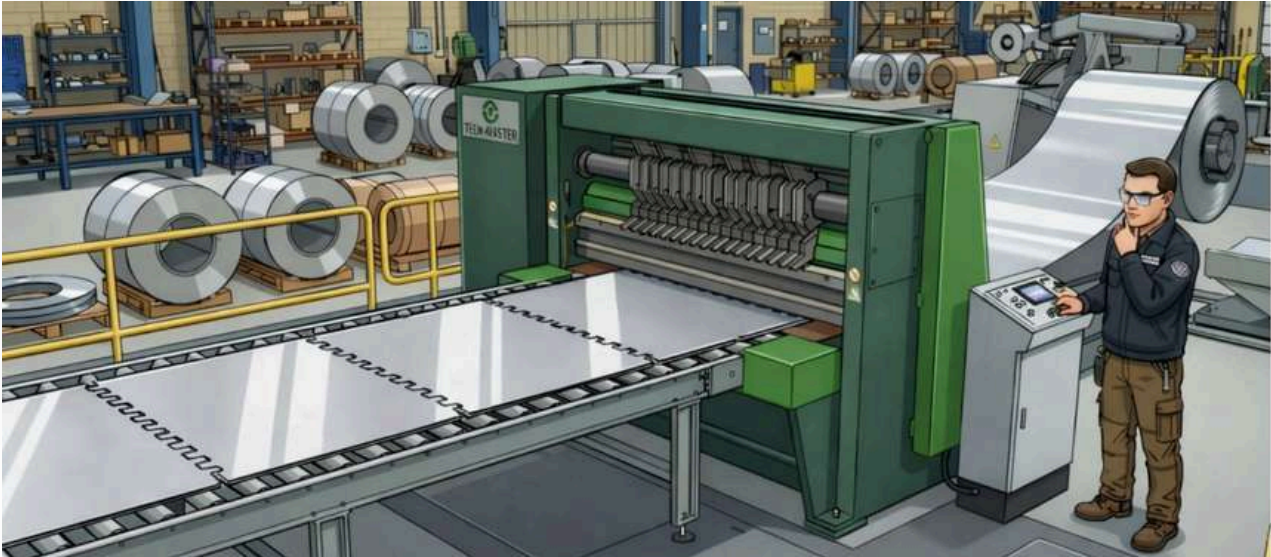
Designed for maximum ease of use.

Get more with less lacquer!

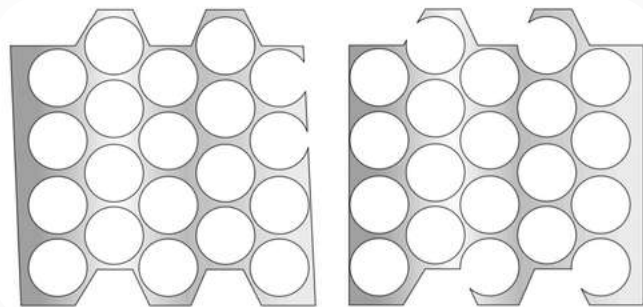
Ready for big savings?

When the Coil Moves, Everything **Suffers**

And **operators** feel it first.



A shifting coil leads to **uneven scroll cuts**—resulting in clipped curls, scrap, rework, and **stressed operators** trying to correct problems too late.



Designed to support operators—not overwhelm them.

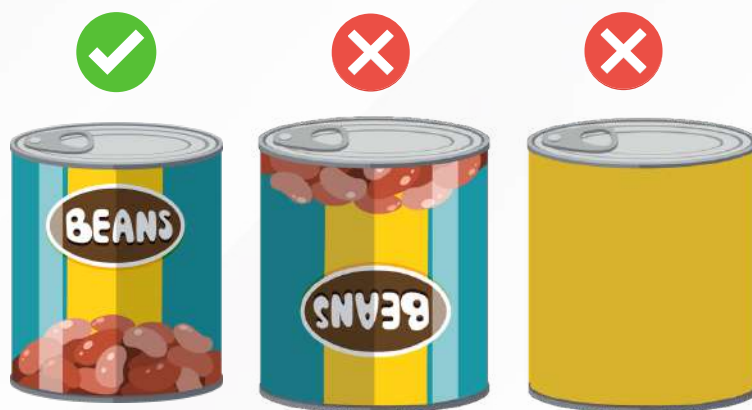


IS1270 MK II Coil Translation Measurement System

- **Instant alerts** when coil misalignment begins—before defects appear
- **Reduced scrap** and **clipped curls** through precise coil translation measurement
- **Optimizes guide calibration** and **setup** for consistent accuracy, even as gauging rolls wear down

Struggling with your **printed** labels?

Have you ever experienced getting batches of cans with printed labels that are:



upside-down, missing colors, or inside-out?

Whether they are missing or grossly incorrect...

We have come up with a solution:



IS625 Inverted Can Label Detector

- Prevent quality issues by detecting printed formed cans with upside-down, inside-out, or missing decoration.

BONUS: This sensor works with all metal types & recalibrates automatically.

Reduce spoilage and HFI (Hold for Inspection) to **save costs** and **boost profits!**

The earlier, the **better.**

Double Sheet Detector

made with convenience in mind

Innosen's IS231 Double Sheet Detector was designed not only for machine protection but also for the convenience it can bring to the operators.



IS231 Double Sheet Detector	Brand X
✓ Fit and forget. No need for operator intervention	✗ Operators have to check the detectors if working properly
✓ No buttons or dials	✗ Has a lot of buttons
✓ No control boxes	✗ Has external counters or control boxes
✓ No maintenance	✗ Needs maintenance
✓ One sensor pair for all types of metals or sheets thickness	✗ Need to change heads depending on the material or sheet thickness
✓ Smart sensor learns material and specification change then auto-calibrates	✗ Operators need to manually adjust and recalibrate when there is a change in material
✓ Continuous line production	✗ Delays from re-setting new sensors

Efficient production. Protected machines.
Focused operators.

Enamel rating of tubes but better

We believe in creating a better adapter to help operators lessen their preparation steps and focus on measuring



IS9017 Tube Probe for Enamel Rater

was designed not only for machine protection but also for the convenience it can bring to the operators.

1. Built-in calibration verification

Assures operators that the adapter is working perfectly.

2. With titanium probe

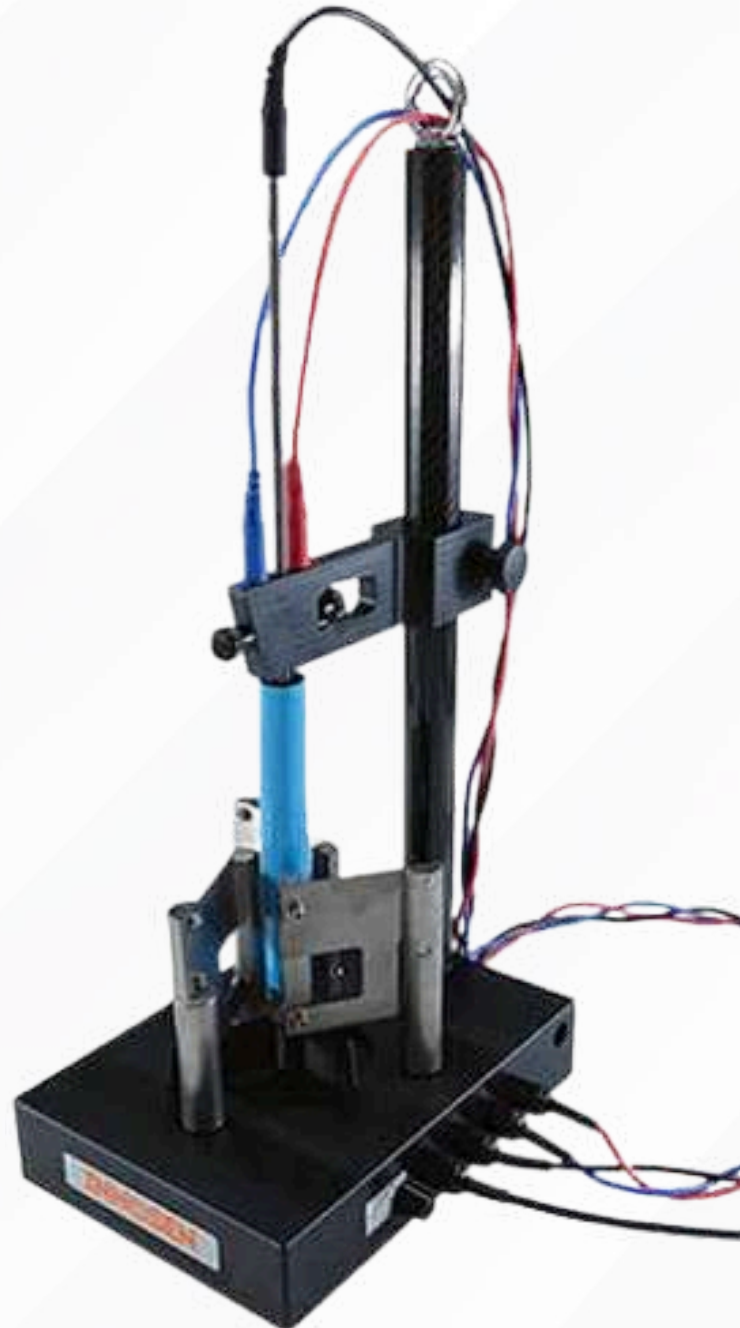
No need to worry about corrosion on electrodes

3. Super sharp contact blocks

No sanding of tube needed.

4. Flexible

Operators can now measure tubes as small as Ø10mm.



Designed for accuracy. Made for ease.

Better measurements, fewer steps.

How To Maximize Your Machine Line Speed

GAIN EXTRA PROFIT WITH IS416 SHEET SKEW MEASUREMENT SYSTEM!

One of the most reliable ways to increase manufacturing productivity and profitability is to increase line speed. It is imperative, nevertheless, to reduce the possibility of alignment discrepancies that may result from speed increases.

It can be difficult to make such adjustments in the absence of reliable statistical data.



Thankfully, the [IS416 Sheet Skew Measurement System](#) offers a fix. Improve your line speed in an easy, data-driven way.

The [IS416](#) system provides a simplified, data-driven method for maximizing line speed and reducing risks.

It offers invaluable insight into the viability of raising machine speed without running into problems by continually monitoring and evaluating sheet data every batch run.

Estimated Profits* on a Lacquering Line with [IS416](#):

Less loss of good sheets by early detection of faulty sheets	USD 5000
Less loss of good sheets by early detection of calamities	USD 1000
Extra production by faster change over	USD 6000
Extra production by faster line speed	USD 97200
Total extra profit on lacquering line	USD 109200

**computation based on a production line running 5000 sheets/hour with a 3% line speed increase using the [IS416](#) statistical data*

The [IS416 Sheet Skew Measurement System](#) offers a reliable and easy-to-implement solution for maximizing machine line speed while gaining extra profit. By leveraging data-driven insights, you can unlock the full potential of your manufacturing process and stay ahead of the competition.

It's not just a speed boost; it's a strategic investment in your profitability and efficiency. What is the maximum speed at which my production line can run?

Line Speed Increase Process

The simple process to increase line speed using IS416 Sheet Skew Measurement System:

Initial Assessment

1. Start by operating your line at its usual speed during the first batch run.
2. Use the [IS416](#) system to gather statistical data, including averages and standard deviation for this batch.

Speed Adjustment:

1. For the next batch run, reset the [IS416](#) counter.
2. Maintain the same sheet specification but increase the line speed by approximately 3%.
3. Take note of the new averages and standard deviation observed with this adjustment.

Progressive Optimization:

1. If no sheet control issues arise with the speed increase, continue ramping up the speed by 3% for subsequent runs.
2. Keep incrementally increasing speed until a problem occurs.
3. In case of any issues, dial down the speed slightly to address them.

Continuous Monitoring and Adjustment:

1. Throughout the process, rely on the [IS416](#) system to monitor sheet data and identify any deviations or challenges promptly.
2. Make necessary adjustments based on real-time insights provided by the IS416 system.

Achieve Maximum Efficiency:

By following this method, many manufacturers have successfully increased line speed by approximately 7%.

This translates to a significant boost in productivity, allowing for the production of approximately 800,000 extra sheets without encountering major issues.

Conclusion:

The [IS416](#) system streamlines line speed optimization, enabling higher productivity and profitability with minimal risk through data-driven adjustments.

Proven Systems For Peak Performance with **Less Cost**



IS416 **Sheet Skew**
Measurement System

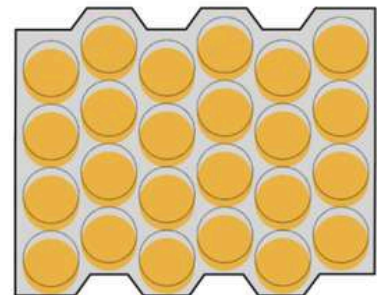
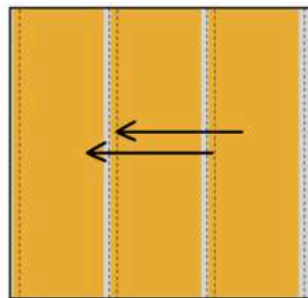
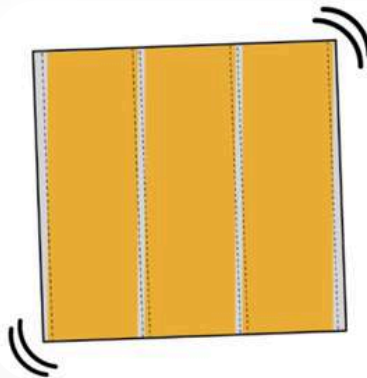


IS430 MK II **Sheet Translation**
Measurement System



IS450 **Sheet Registration**
Measurement System

If you can't **spend big bucks** on expensive vision machines but still want to **get that pestering skewed sheet** out of your conveyor, then this **alignment system** is perfect for you.



Can it detect skewed or rotated sheets?

Check ✓

Can it detect sheets that go too far at the sides?

Double Check ✓ ✓

Can it catch sheets that arrived too early or too late?

Triple Check ✓ ✓ ✓

This **sheet alignment system** delivers premium performance, saves costs, and ultimately boosts profits.

Mastering **Coating Control** in Metal Packaging

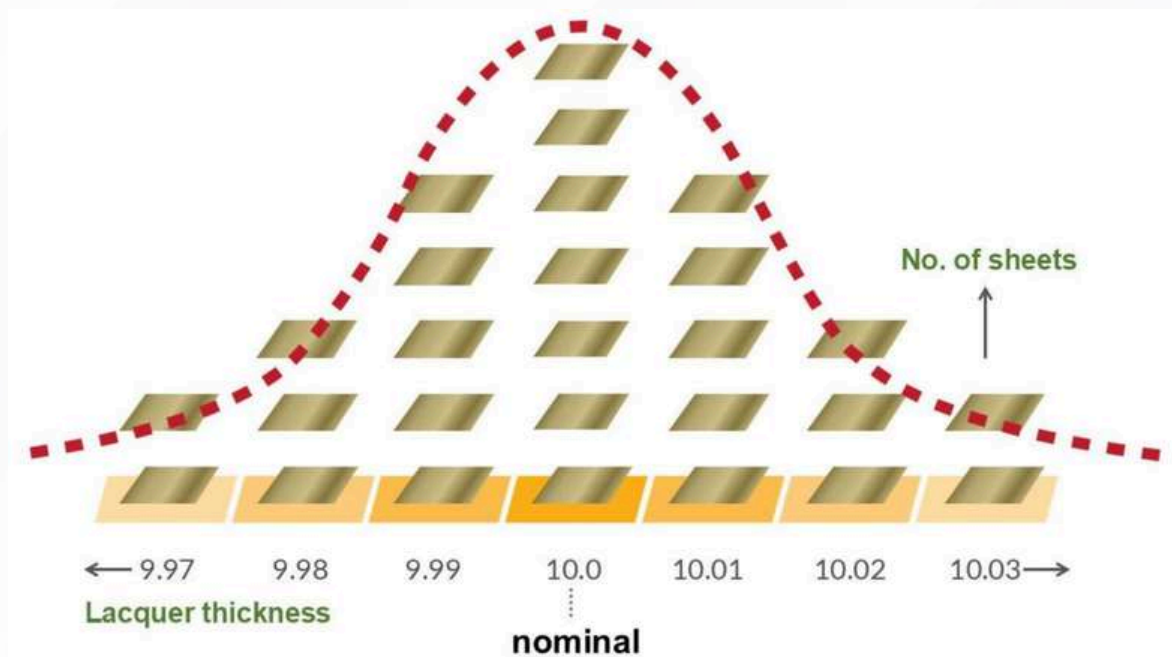


1. Why coating control matters

Coating control is a critical yet often overlooked aspect of metal packaging. Proper coating application plays a crucial role in ensuring product safety, performance, corrosion resistance, and shelf appeal.

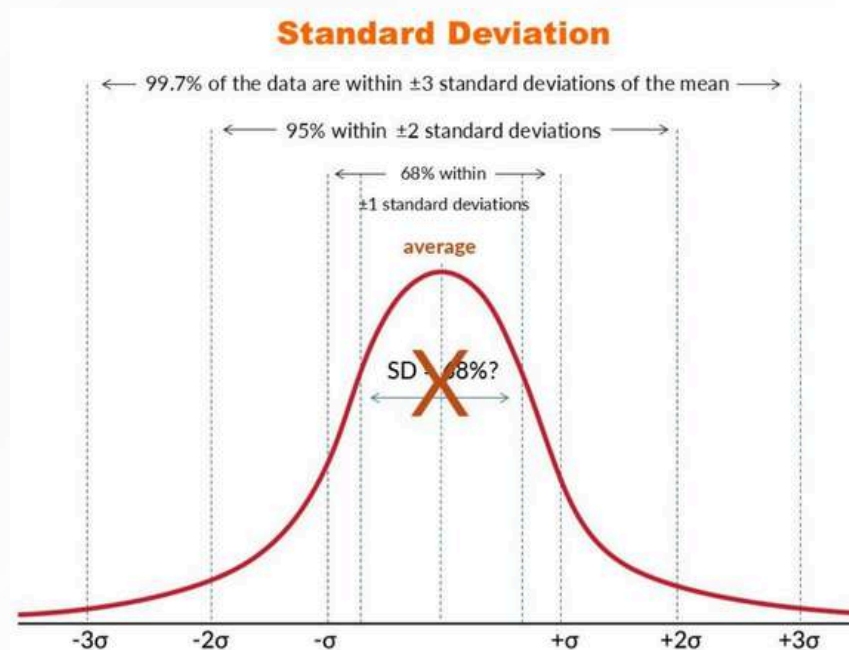
2. Statistical Process Control (SPC)

Quality comes down to three factors: equipment, monitoring tools, and procedures. SPC is described like an election survey — analyzing a small, representative sample to draw accurate conclusions about a whole batch, catching variation early instead of relying on guesswork.



3. The histogram & bell curve

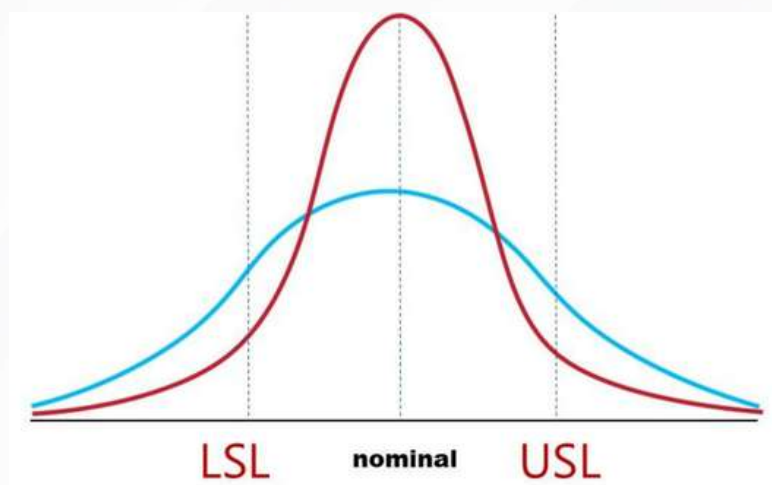
Measurements of coating weight naturally form a bell-shaped curve (normal distribution). A narrow, well-centered curve means a stable process; a wide or skewed curve signals issues like equipment misalignment or inconsistent lacquer application.



4. The Gaussian Distribution & Standard Deviation

- $\pm 1\sigma$ covers about 68% of production
- $\pm 2\sigma$ covers about 95%
- $\pm 3\sigma$ covers nearly 99.7%

These ranges help manufacturers spot deviations early and decide if corrective action is needed.



5. Process capability — LSL & USL

The Lower Specification Limit (LSL) is the minimum coating thickness a customer will accept; the Upper Specification Limit (USL) is the maximum before coating is excessive. A wide distribution pushes more sheets outside these limits — meaning more rejects, more waste, higher cost.

6. Measurement systems compared

- Non-contact (spectrophotometric, interferometric): highly accurate, expensive, best for real-time feedback during startup
- Gravimetric: accurate but destructive
- Capacitive: industry standard — non-destructive and cost-effective
- Ultrasonic: poor R&R for thin coatings

7. Why R&R (Repeatability & Reproducibility) matters

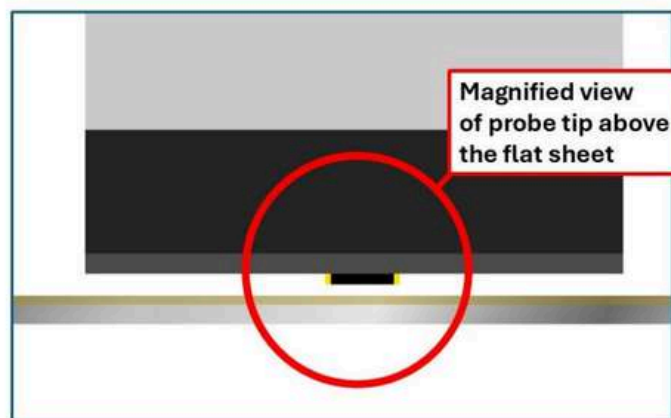
R&R measures how much variation comes from the measurement system itself, not the coating process.

- <10% → Excellent measurement system
- 10–30% → May be acceptable depending on use/tolerance
- >30% → Not acceptable

8. How capacitive measurement actually works

Explained through the Hoverprobe® II: a rubber probe tip presses on the coated sheet, and the lacquer acts as a dielectric between two conductive surfaces — essentially forming a capacitor. As coating thickness changes, so does the capacitance, which the system uses to calculate thickness.

Probe tip is the first capacitor plate



9. Four things that affect capacitive readings

1. **Probe tip condition** (a new tip needs 20 minutes resting on a solid surface before calibration)
2. **Humidity** (changes the dielectric properties of probe and coating)
3. **Calibration method** (multiple points across the sheet beat a single reference point)
4. **Handling** (never rest the probe on a soft surface like a mouse pad between uses)



10. IS9651 Hoverprobe® II

25+ years as an industry standard; the latest version removes the crocodile clip (no more scratched sheets) and is non-destructive, so tested sheets can go back into production if production standards permit. In a 1,000-hour run measuring every 20 minutes, that's roughly 3,000 sheets saved from being scrapped just for testing.

11. IS9561 Tube Probe and IS9571 Aerosol Probe

Extends the same capacitive technology to aluminium tubes and severely necked-in monobloc cans, covering geometries the Hoverprobe can't reach.



12. IS1100 Innolytix®

The software layer.

"You don't need data — you need information."

Highlights:

- Screen **flashes red** if a reading **exceeds spec limits (USL/LSL)** — **stop** or **hold** for inspection
- Screen **flashes yellow** if it's **outside** control limits but still within **spec** — corrective action needed before a defect occurs
- Every measurement is **time-stamped** and linked to the **operator** for **full traceability**
- Measures up to **9 points** per sheet, tracking both mean and standard deviation per point
- Can generate a **Bell Curve** and a **box-and-whisker plot** to spot outliers

*"When combined, **Innosen's Hoverprobe® II** and **Innolytix®** software form a powerful solution for comprehensive process control."*

**A missed defect can become a \$10M problem.
Catch it before it leaves your line.**



**CATCHING A DEFECT
ON THE LINE COSTS CENTS.
CATCHING IT AFTER SHIPMENT
COSTS A FORTUNE.**

Industry studies estimate the average food recall can cost companies around **US \$10 million** in direct costs alone—before lost production time, customer claims, contract penalties, and reputation damage.

In high-speed manufacturing, process variation is unavoidable. The question is not whether conditions will change, but how quickly you detect them.



CATCH IT ON THE LINE:

You scrap a few units, adjust the process, and maintain your OEE (Overall Equipment Effectiveness)



CATCH IT AFTER SHIPMENT:

Your investigations, customer claims, production disruption, and potential damage to customer trust.

That gap—between a single rejected sheet and a costly quality incident—is the entire case for inline detection. Innosen builds the sensing layer that closes that gap.

Across **2-piece** and **3-piece** can manufacturing lines, Innosen inline sensors continuously monitor critical quality parameters at production speeds exceeding **1,000** cans per minute:



IS231 Double Sheet Detector — protects production against double sheets without requiring any operator adjustments.



IS416 Sheet Skew Measurement System

— detects skewed sheets before they leave the coater.



IS625 Inverted Can Label Detector —

detects wrongly oriented printed label or decoration, such as inverted or inside-out, in can bodies.



IS651 Missing Lacquer Detector

— detects big bands of missing lacquer on coated sheets.



IS860 CoatPro™

— rapid and accurate measurement of lacquer film weight of internal and external coatings.



IS670 Missing Side Seam Lacquer Detector

— detects missing outer lacquer, incomplete or non-lacquered gap on the side seams of 3pc cans.



With **IS1100 Innolytix®**, production teams transform sensor measurements into actionable production data helping identify trends, compare shifts, and understand process changes over time.

The cost difference between correcting a process deviation today and discovering a defect after shipment is the reason **inline detection exists**.

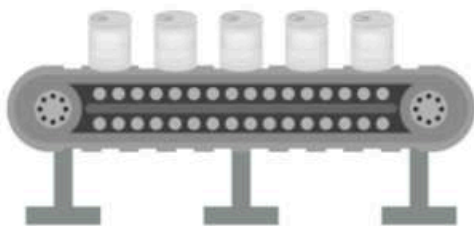
On the floor, this means, more certainty every shift. Your operators stop reacting to problems and **start managing production with confidence**.

One **missed defect** can cost more than a year of inline inspection.

YOUR LAST LINE OF DEFENSE SHOULD BE THE LINE ITSELF.

By the time a defect reaches a final QA check, you've already paid to produce it. By the time it reaches the market, the cost multiplies — the average food recall carries **US\$10 million** in direct costs, and the majority trace back to a single process variable that slipped through.

CATCHING A DEFECT ON-LINE



**\$0.05 SCRAP COST
PER DEFECT**

VS

CATCHING A DEFECT IN THE MARKET



**\$10M (ESTIMATED)
PER DEFECT**

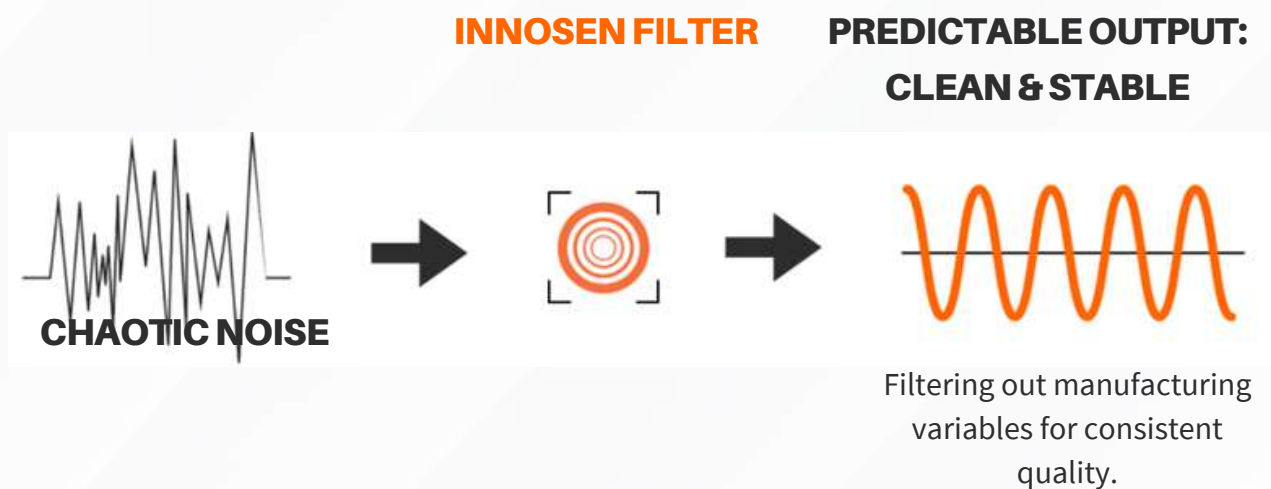
Inline detection moves the "catch" upstream, where a defect costs cents instead of millions.

Innosen sensors act as technical safeguards at every high-risk point on your line:

- Margins & Coatings: Catching contamination before it creates corrosive drift or weld failures.
- Sheet Integrity: Hard-wiring the line to reject flipped, missing, or misaligned parts in real-time.
- Seam & Weld Quality: Securing the specific points where can integrity is won or lost.

Whatever your segment, the engineering principle holds: **The defect you catch on the line is the one that never becomes a recall, a rejected batch, or a lost account.** The cost of a point sensor is a fraction of the cost of one escaped pallet. The math isn't close.

INNOSEN FILTER DIAGRAM: TRANSFORMING CHAOS TO PREDICTABILITY



Less noise to chase, more confidence per shift. When the line communicates its own status, your operators can stop firefighting and start managing for high-performance.

EXPERIENCE
POWER IN YOUR
HANDS WITH

IS310 UV LOGGER



Innovate with Confidence

Rely on the IS310's unparalleled knowledge to drive innovation in your UV processes. Make informed decisions backed by a wealth of data, setting new standards for excellence.

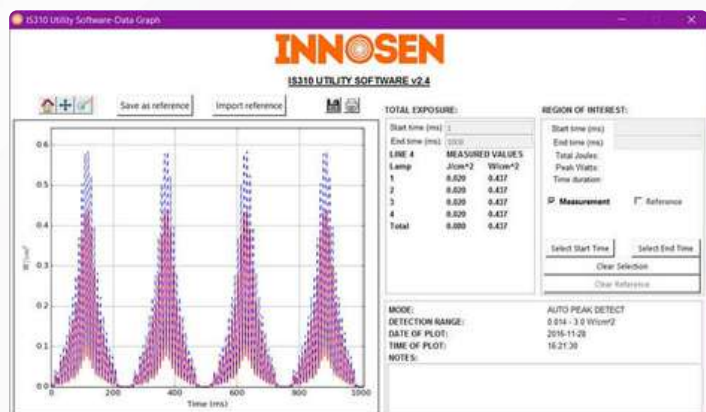


With the IS310, access data and insights on power, energy, and performance metrics for up to 9 lamps simultaneously. Knowledge is power, and now it's in your hands!

✓ The IS310 **UV Logger** has information about your oven's power and energy

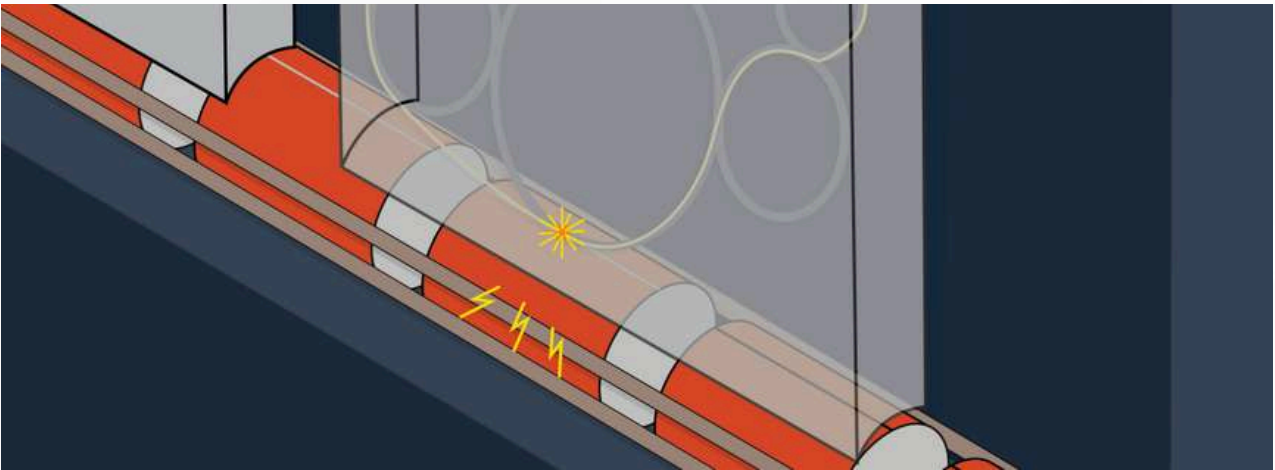
✓ Tells you insights about Individual lamps

✓ Provides graphical data of the measurements



You need graphs to be able to know how to correct a faulty oven.

A logger without graphing will only tell you that oven is wrong but it gives you no clue as to what to do to correct it.



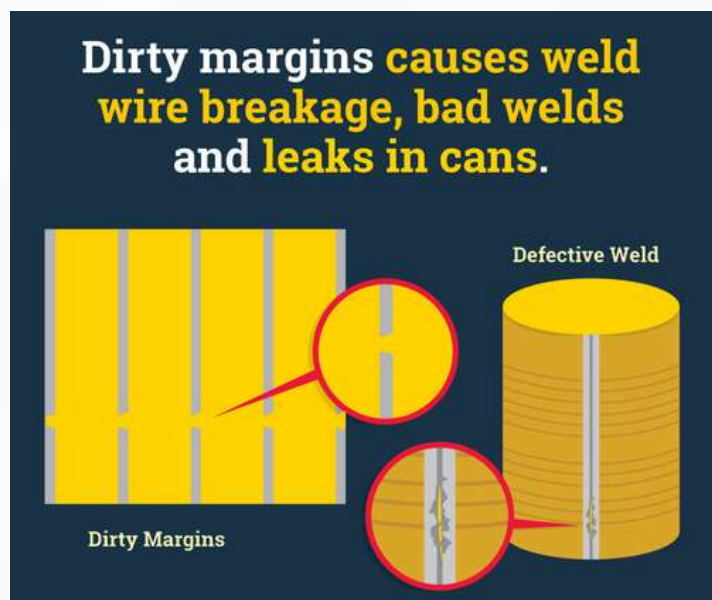
Defeat Defects with **IS610 Plain Margin Inspector**

Say farewell to the nightmare of production shutdowns caused by burnt weld wire and breakages! The **IS610 Plain Margin Inspector** by Innosen is your ultimate solution to detect and eliminate contaminants that cause costly downtime and inefficiencies on your production line.

What are the common culprits to **welder breakage**?

1. Misaligned Sheets during Coating: Resulting in skewed margins.
2. Lacquer on Sheet Margins: A sneaky troublemaker.
3. Contaminants like Rust, Grease, or Fingerprints: The silent killers.

These defects threaten to sabotage your production!



No more compromises, just seamless efficiency.



Innosen's **IS610 Plain Margin Inspector**

is your shield. It's the ultimate defender designed to detect lacquer and contaminants on sheet margins, ensuring your welder stays unharmed.



PROTECTING YOUR MARGIN IN THE "STEADY-STATE" FACTORY

In modern can manufacturing, the 10% gains are gone. Success now lives in the decimals. When raw material and energy costs swing month to month, the one lever still fully in your control is process integrity.

Three Invisible Profit Killers

Baseline Drift

A measurement baseline that quietly drifts—in coat weight, in enamel coverage, in seam dimensions, in cure level—sounds like a quality footnote. Multiply a few percent across everything you make, shift after shift, and it becomes a recurring, invisible erosion of margin.

The Gauge R&R Gap

When measurements vary by operator, teams compensate the only way they can—they build in a safety margin. Extra lacquer, slower speeds, limits tighter than the spec needs. That buffer gets paid for on every can you make, at every station that carries one.

Delayed Intelligence

A high-speed line can't wait for a historical CSV. By the time the file is reviewed, the cans are already made. Documentation is not the same as control.

Take coating as just one station: on a single line, a **3%** lacquer buffer is roughly **\$30,000** a year—down the drain for nothing. Now multiply that by every line, and every other station that carries a buffer of its own.

*Run the math against your own ledger.
The number is almost never zero.*

The Strategy

A well-run factory runs on predictable output. Remove the operator variable through stronger Gauge R&R, stabilise your baselines across the line, and put the data in front of each station in real time—not in a report after the shift. That's the shift from reacting to what happened to protecting margin as it happens.

Precision isn't a line in your quality budget. It's profit you keep—or lose—on every can you make.

Over the coming editions we'll walk the line station by station—where precision pays, and how the best-run plants seal each leak. We start with the one whose cost is easiest to read straight off your ledger.

Lessen the risks of manual adjustments with these **automatic sensors**



With our sensors in your production, you can relax and be confident that the job will always be well done!

If you are using fully automatic tools that do not need adjustments at all, you can be confident that your production is running smoothly even during your well-deserved break.

Always remember:

Self-calibrating and self-adjusting sensors lessen the problems by manual adjustments.



**Double Sheet Detector
IS231**

Protects production against double sheets without requiring any operator adjustments



**Missing Lacquer Detector
IS651**

Detects big bands of missing lacquer on coated sheets.



**Inverted Blank Detector
IS631**

Detects inverted can bodies or blanks with lacquer on the wrong side.

Quality Assurance and Inspection Sensors

These sensors can be used in the different sectors of the metal packaging industry, such as: Food and Beverage, Pharmaceutical and Healthcare, Cosmetics and Personal Care, Household, Chemical and Industrial, Recreational and Others.

Sheet Alignment Inspection

[Sheet Skew Measurement System IS416](#)

[Sheet Translation Measurement System IS430 MK II](#)

[Sheet Registration Measurement System IS450](#)

Margin Inspection

[Plain Margin Inspector IS610](#)

Sheet & End Inspection

[Double Sheet Detector IS231](#)

[Double End Detector IS231](#)

[Tab Verifier IS240](#)

Missing Lacquer Inspection

[Missing Lacquer Detector IS651](#)

[Missing Side Seam Lacquer Detector IS670](#)

[Inverted Blank Detector IS631](#)

Label Inspection

[Inverted Can Label Detector IS625](#)

Coil Lines

[On-line Sheet Length Measurement System IS1261](#)

[Coil Translation Measurement System IS1270 MK II](#)

UV Curing

[UV Logger IS310](#)

Software

[Innolytix® IS1100](#)

Coating Thickness Measurement

[CoatPro™ IS860](#) - **NEW!**

[Hoverprobe® II IS9651](#)

[Tube Probe IS9561](#)

[Aerosol Probe IS9571](#)

Enamel Rating

[EnamelPro™ IS810](#) - **NEW!**

[Can Stand for Enamel Rating IS9015](#)

[Crown Adapter Stand IS9015-CRW](#)

[Large Can Stand IS9015XXL](#)

[Electrolyte Management System IS9024](#)

[Tube Stand for Enamel Rating IS9017](#)

[Light Probe IS9029](#)

[Aluminium Capsule Stand IS9018](#)

[End Adapter IS9020TMR](#)

[Vacuum Generator IS9021AV](#)

[Automatic Vacuum Control Unit IS9023](#)

[Top Plate Rack IS9031](#)

[EOE Rivet Adapter IS9025](#)

[Foil Adapter for Enamel Rater IS9030](#)



INNSEN

SEPTEMBER 2026

QUALITY MAKES

Quality

The quality of the product you make is greatly dependent on the quality of the tools/sensors you use. Producing a can is easy but producing one with quality your customers will accept needs quality sensors.

Innovative sensors not only make quality sensors but help create an efficient process and positive production yield.

The core characteristic of Innosen sensors is quality. This is reflected in the ingenious versatility of each system that makes sure you get the value you deserve and paid for.

These sensors were designed from partnerships with can makers. You can now say that these sensors know exactly how to solve production issues whilst ensuring an uninterrupted process.