



How Mondi ensured correct sensor measurement for improved yield

Mondi is a global leader in packaging, paper and functional film production, contributing to a better world by producing sustainable by design products. With 24,000 employees across more than 30 countries, Mondi operates an integrated business across the entire value chain, enabling it to deliver a broad range of innovative solutions for both consumer and industrial end-use applications.

Validating Inline Coating Accuracy to Omit Production Stops

Challenge

Traditionally, coating quality was verified through laboratory measurements, requiring frequent production stops while waiting for laboratory results, leading to regular interruptions. A new inline coating measurement system aimed to reduce these interruptions, but trust in its accuracy was essential.

Key Challenges

- Ensuring inline measurements matched laboratory results
- Consistent measurement accuracy across all product types and grades

Without systematic comparison, it was unclear:

- Which products showed deviations
- If issues were product-specific or sensor-related
- How often sensor parameters need adjustment

As a result, frequent laboratory checks continued, limiting potential efficiency gains.

“Visplore gives us daily alerts on coating overuse and validates inline measurements against laboratory results, helping us reduce material waste and minimise production stops.”

- Jens Gebhart
Continuous Improvement Manager, Mondi

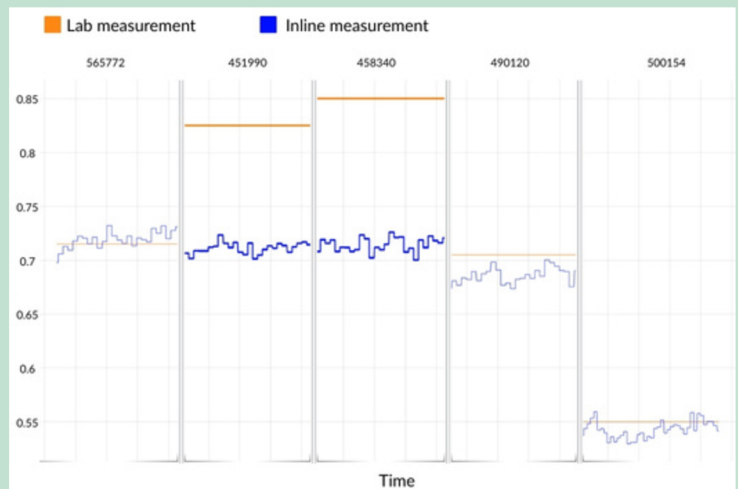
Solution

Mondi used Visplore to merge process data from the inline measurement system with corresponding laboratory measurement data. An automated Visplore template, executed via **Visplore Automation Server**, was set up to:

- Regularly compare inline and lab coating measurements
- Quantify deviations per product, grade, and order
- Detect systematic mismatches rather than isolated outliers
- Generate reports highlighting deviations between inline and lab measurements
- Notify engineers and operators when deviation thresholds were exceeded

How Visplore can help you avoid production stops

Lot ID	Inline measurement (g/sqm)	Lab measurement (g/sqm)	%Error
458340	0.71	0.85	15.98
451990	0.71	0.83	13.81
490120	0.69	0.70	2.76
500154	0.54	0.55	1.30
565772	0.72	0.71	0.58



Visplore detects mismatches between inline and lab measurements, flagging runs that need sensor recalibration.

This automated feedback clarified which products and grades required sensor recipe adjustments.

Results

- **3% increase** in production time
- **Full transparency** on alignment between inline and laboratory measurements
- **Targeted adjustment** of inline sensor recipes for specific products and grades
- Increased **trust in inline measurements**, enabling fewer laboratory checks
- **Fewer production interruptions**, improving throughput and efficiency

Seeing is understanding.

Request your personal demo to see Visplore in action!