



How Mondi reduced raw material usage with an automated monitoring and reporting workflow

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.

Automated Detection of Excessive Silicone Coating Usage

Challenge

In silicone coating, each product has a target coating amount to ensure quality. However, in daily production, some products, grades, or individual orders often exceeded these targets.

With high throughput, multiple grades and orders per day, and limited time for analysis, engineers lacked a systematic daily overview of production runs above target. Deviations were detected late, making recurring issues difficult to identify.

“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 implemented a **monitoring and reporting workflow** with **Visplore Automation Server**, ensuring efficiency and cost savings:

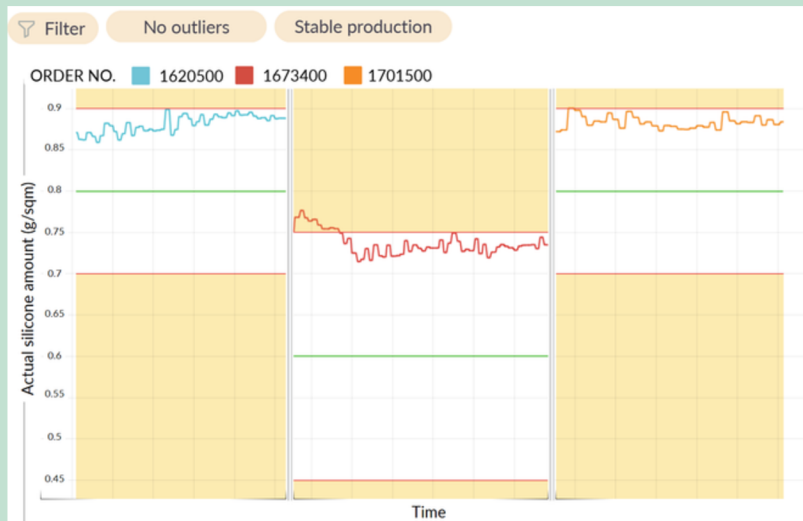
- Daily production data analysed automatically
- Precise comparison of actual vs. target coating usage for every product, grade, and order
- Immediate identification and ranking of production runs with high deviations
- Automatic actionable reports highlighting excessive coating usage
- Results delivered directly to process and quality engineers

How Visplore can help you reduce raw material usage

Silicone amount		
Order no.	Target (g/sqm)	Actual (g/sqm) -
1673400	0.6	+22.8 %
1701500	0.8	+10.4 %
1620500	0.8	+10.2 %
1843560	0.5	+5.5 %
1743770	0.8	+3.3 %
1621100	0.8	+1.5 %
1622100	0.5	-0.6 %

Visplore automatically detects orders that used excess material and sends notifications.

Your team can then take action before the next production run of the same product to get closer to the target value.



These reports pinpoint where intervention is needed, without manual data preparation or analysis. The same setup continuously monitors production and enables engineers to **act quickly, reduce excess, and maintain quality standards.**

Results

- **+€100K** annual raw material savings potential in one plant
- Daily visibility into **material overuse** through automated reports
- **Faster intervention** for runs exceeding target coating
- **Targeted process adjustments** avoiding broad reactive changes
- **Lower coating material consumption** without compromising quality

Seeing is understanding.

Request your personal demo to see Visplore in action!