

LUXVISION DASHBOARD

LuxVision transforms the raw data collected by LuxTronic’s vision systems into actionable intelligence. Every unit, every event, and every location on the line is captured — then organized, visualized, and analyzed across time. The dashboard gives manufacturing teams complete access to their historic data and the analytical power to understand what’s happening and why.

Data Tracking & Analytics

Every LuxTronic system automatically captures and logs all production events, building a comprehensive dataset of your line’s behavior:

- Total units and throughput
- Orientation issues (e.g., tipped, inverted, down units)
- Belt location for each event
- Time-series data for pattern and trend detection

AI-powered analytics identify deviations, streaks, and anomalies—helping teams uncover emerging issues early and verify improvement results with statistical confidence.

Customizable Rules & Thresholds

You can configure plant-specific parameters and alerts to reflect your operational goals:

- Define what qualifies as a “mass event”
- Set thresholds for frequency, clustering, or location
- Automate notifications for targeted responses

This ensures every insight aligns directly with your process standards and quality objectives.

Pre/Post Change Analysis

The dashboard supports continuous improvement initiatives by comparing operational performance before and after any process change. Establish your baseline and easily query data needed to analyze real impact over time.

VISUALIZATION

LuxVision is our dashboard, with available connection to BI tools to deliver your data. Information is presented in multiple charts and individual metrics with detailed date range filtering. The chart below is an example of a dot chart with the time and belt location of all tipped units during an 8-hr period.

