YantraVision × intel

AI Inspection for Quality at Scale

Luma Web Inspection

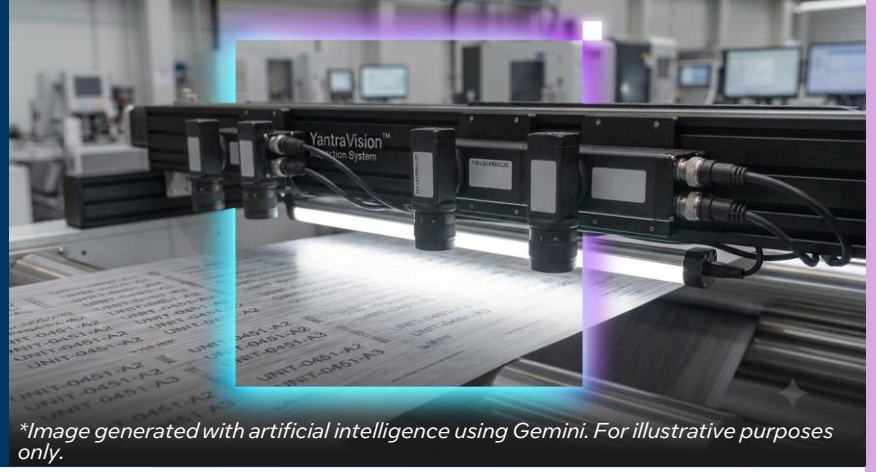

*Image generated with artificial intelligence using Gemini. For illustrative purposes only.

*YantraVision's Luma Web Inspection app enables 100% inline defect inspection to **improve quality consistency, reduce manual inspection effort, and help increase manufacturing yield.***

Luma is an AI-powered large web inspection solution that combines high-resolution line scan cameras, advanced lighting systems, and Intel-powered edge compute into a unified real-time inspection platform. Designed for large web manufacturing environments, Luma performs 100% inline inspection of fast-moving materials, using deep learning models to detect, classify, and analyze surface defects with high accuracy while minimizing false alarms.

Deployed across textile production, printing and converting operations, and paper manufacturing, the solution helps manufacturers maintain consistent quality, improve yield, and reduce reliance on manual inspection. By pairing YantraVision's computer vision expertise with Intel's edge AI and industrial computing technologies, Luma delivers scalable, low-latency defect detection and actionable insights that enable faster quality decisions and more efficient production at scale.

intel ai
Intel® AI Edge Applications

Key Intel-Enabled Features

Real-Time AI Vision | High-Speed Inference | Industrial Edge AI | Scalable Web Inspection

- Intel® Core™ Ultra processors and Intel® Xeon® processors enable low-latency AI inference for real-time web inspection.
- Optimization with OpenVINO™ toolkit accelerates computer vision and defect detection models to maximize inspection throughput and accuracy.
- Intel® AI Boost accelerates AI inference to improve defect detection performance and responsiveness.
- Intel® cache and memory architectures provide the bandwidth required for continuous inspection of large moving webs.

By leveraging Intel® technologies, YantraVision's Luma Web Inspection solution helps manufacturers avoid false alarms that disrupt production, drive waste, reduce yield, and impact product quality.

Ordering Guidance:

- Contact Us

Country/Geo: Worldwide

Edge Verticals: Manufacturing

Edge Use Cases: Quality Control; Operational Efficiency; Anomaly Detection; Quality Inspection; Process Optimization

Learn more:

- YantraVision Website