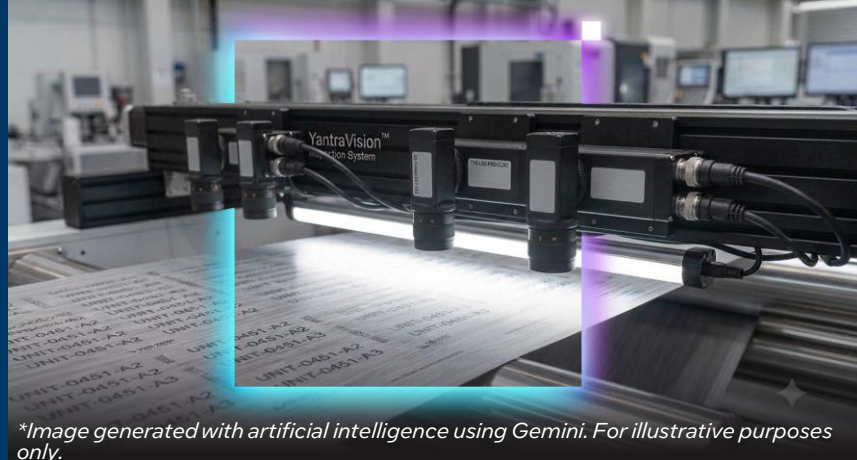


AI Inspection for Quality at Scale

Luma Web Inspection

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.



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

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.

Notices & Disclaimers:

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

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](#)