

AI-Powered Quality Inspection for Zero-Defect Manufacturing

DeepInspect®

SwitchOn delivers DeepInspect®, an AI-powered visual inspection software designed for real-time defect detection on manufacturing lines. DeepInspect® requires fewer than 200 images for AI model training, and models can be trained in under 45 minutes. A line trial can be completed within a single day, enabling rapid validation on production lines.

The system delivers up to 99.5% defect detection accuracy while minimizing false positives to below 0.5%, ensuring reliable inspection without unnecessary line stoppages¹. DeepInspect® runs entirely at the edge, eliminating dependency on cloud processing and enabling low-latency decision making with production-grade reliability.

Built to operate efficiently on Intel® CPU-based platforms, the solution performs high-speed inference without requiring discrete GPUs, reducing system size, power consumption, and thermal overhead while enabling scalable deployment across manufacturing sites.



AI-driven in-line inspection that cuts waste, protects margins, and prevents customer complaints.

Key Intel-Enabled Features



Fast Edge Inference



CPU & iGPU Optimized AI



Low Power AI



Scalable Edge Deploy

Accelerate Business Transformation with Optimized, Ready-to-Deploy, Intel-Powered AI Partner Solution

- Scalable Edge Deploy
- No discrete GPU required → lower size, power & heat
- Stronger supply stability vs GPU-dependent systems

Intel Products and Technologies

- [Intel® Core™ Processors](#)
- [Intel® Virtualization Technology](#)
- [OpenVINO™ Toolkit](#)

Ordering Guidance:

- [SwitchOn Customer Service](#)

Country/Geo: Worldwide

Edge Verticals: Manufacturing & Robotics

Edge Use Cases: Quality Control; Anomaly Detection; Quality Inspection

Learn more:

- [SwitchOn Website](#)

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