

From Image to Insight

A cost effective next-generation visual inspection system that leverages advanced neural networks (AI) to automatically identify manufacturing defects and ensure superior quality



- Significantly reduces the cost of manual inspection
- Improves quality and consistency of defect detection
- Detects defects not caught by traditional methods
- Deployed quickly and can be reconfigured as your process changes
- System accuracy continuously improves through retraining on additional data



Quality Optics & Lighting:

Ensures clear, high-resolution images for accurate defect detection.

Flexible Integration & Control:

Seamlessly integrates with factory PLCs and other common industrial hardware

Designed for Windows-based PCs to guarantee robust performance and expandability

Custom Al Programming & Ongoing Model Improvement:

Our application engineers work with you to develop the most accurate inspection models.

Retrain models with newly captured data to stay ahead of changing manufacturing conditions.

Defect Traceability & Reporting:

Comprehensive reporting tools Keeps a secure record of defects, enabling continuous improvement

Remote Monitoring

Check system status anytime, anywhere Real-time alerts and notifications

Typical Applications

(Flexible to support a wide variety of applications)



Welding

Poor coverage, missing Undercut Cracks Spatter



Molding

Warping Shapes Flashes **Burn Marks**



Cold Joints Insufficient

Bridging

Webbing/Splashes



Assembly

Missing Misalignment Debris, FOD **Damaged Components**



Machining

Surface Finish **Defects** Missing Features



Polarity/Orientation Missing Wires Routing



Cutting/Punching

Edge Definition/Burrs Surface Finish Incomplete Cuts



Location Orientation Missing

Specifications:

Power: 120V, 15A

Size: W15" x L21" x H26"

Field of View: 12" x 9"

Object Resolution: 0.0015" (40µm)



