

CendiantTM Inspect

Fully automated inspection **software** that utilizes the power of artificial intelligence and deep learning to improve quality and reduce costs.



Part One of Three in Musashi AI's CendiantTM Software Suite.



LOWER COST OF QUALITY

Automation lowers direct inspection costs. Consistent high-quality inspection leads to fewer complaints, reduced product recalls, and minimized scrap and rework. This approach results in a lower cost of quality compared to traditional part inspection methods.



SUPERIOR INSPECTION

Harnessing the power of artificial intelligence, our solution delivers superior inspection results, able to detect, identify, and segment production anomalies. Our AI models are designed to exceed human inspection capabilities.



CONTINUOUS IMPROVEMENT

As the inspection process progresses, the AI algorithm employs deep learning to subtly improve its ability to detect and segment anomalies. This enables the model to have low initial data requirements.







DETECT - CLASSIFY - VERIFY

>150 Microns Detection
100% Not-Good Detection
<5% Over Detection

- **Scale your quality control** measures as production grows, easily integrating new hardware with CendiantTM Inspect.
- Variable payment plans dependent on your inspection requirements. **Pay as you go!**
- Pair with our CendiantTM Quality Insights dashboard to receive **real-time data analytics** and production quality performance metrics.

Active i™ Deep Learning Algorithms

Training begins with defect free data enabling anomaly detection. As training continues, defects are identified allowing for instance segmentation. This model continuously improves with ongoing support and iterations, all managed by Musashi AI.

	Anomaly Detection	Instance Segmentation
Data Requirements	20-30 Defect-Free Samples	50-100 Defective Samples Per Segment
Defect Detection	Yes 	Yes 
Defect Classification	No 	Yes 
Gauging or Measurements	No 	Yes 

Sample Defect Classes

Raw Image versus Cendiant™ Inspect Images

Defect classes include but are not limited to the below. Cendiant™ Inspect can be trained for new and unique inspection requirements.

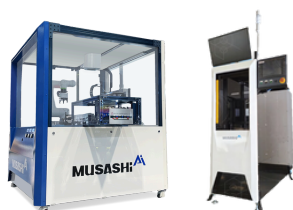


MUSASHI AI PRODUCTS AND SERVICES

Build the inspection solution that is right for your application

Inspection Equipment

Automated Inspection Machines



Standard or Custom Design

Cendiant™ Software

Cendiant™ Inspect



AI Powered Defect Detection

Cendiant™ Quality Insights



Data Metrics and Analytics Dashboard

Cendiant™ Mobile Scan



On-The-Go Part Traceability



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