

PixIQ 2D Edge

Real Time Quality Analysis

PixlQ 2D Edge

Leveraging AI for Manufacturing

Key Capabilities

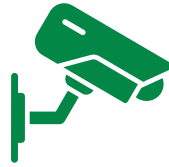
- Robust Edge Controller with built-in AI models
- Real-time quality and compliance analysis
- Plug & Play integration with Cameras and PLCs
- Customizable to specific parts/procedures.

Applications

- **Surface Defect Detection:** Identify scratches, dents, discoloration, and surface imperfections with precision.
- **Dimensional Analysis:** Measure and verify component dimensions, tolerances, and geometric specifications.
- **Packaging Inspection:** Verify labels, seals, fill levels, and packaging integrity before shipment

Minimum Defect Size Tested

- Surface Defect: 50 microns.
- MPI: 1 mm crack size.



Acquisition
Videos & Images
captured from cameras

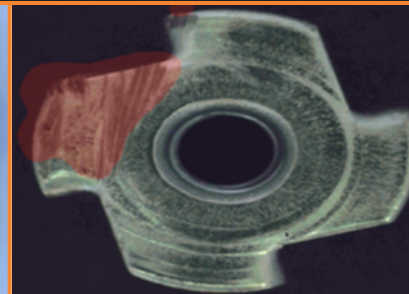
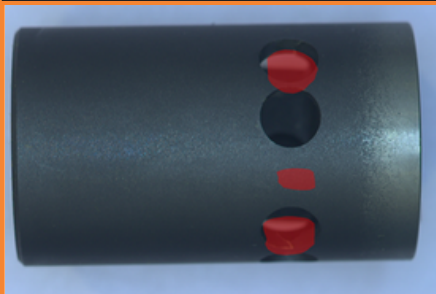


PixlQ Edge Controller
Images Analyzed by
PixlQ controller



Reporting on PixlQ
Output shown on PixlQ
UI software

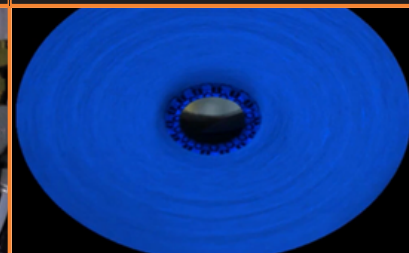
Surface defect detection on manufacturing parts



OCR Analysis of labels



Yarn corn analysis for defects



Crack detection in UV light from MPI

