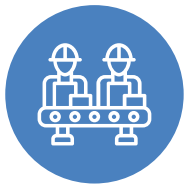




## Automate Manual Inspection

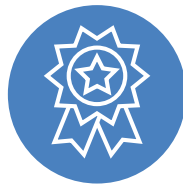
Pleora's Visual Inspection System helps manufacturers reduce costs, increase efficiencies, and ensure product quality by automating and adding decision-support for manual inspection of consumer goods, manufactured parts, food & beverage, and print & packaging. The inspection system intuitively guides operators through the manufacturing process and automatically identifies and visually highlights differences and deviations.



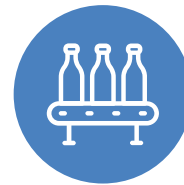
Automate error-prone and time-consuming manual inspection



Reduce errors that result in poor product quality, waste, and costly secondary screenings



Maintain brand standards and meet safety and compliance requirements



Inspect challenging materials (metal, glass, fabric, wood, irregular shapes)

## Solution Overview

Automating inspection or adding decision-support for human operators speeds inspection rates, improves end-to-end product quality, and provides more qualitative product evaluation to ensure manufacturing processes are repeatable and traceable.

Pleora's Visual Inspection System automates manual tasks at different points in the manufacturing process, including work-in-progress and finished product, with an intuitive display that guides operators through inspection steps. The standalone system works in parallel with existing inspection applications, meaning manufacturers can deploy advanced AI skills without disrupting existing processes or workflows.

The plug-and-play system includes:

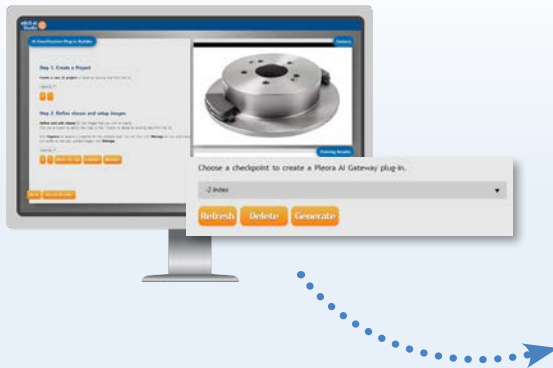
- Pre-loaded AI inspection plug-ins that provide a quick-start framework to train using your unique data
- Edge processing hardware to configure and run plug-ins, stream live and processed images, and manage camera settings
- Camera with adjustable mounting and monitor

For unique inspection requirements, the system integrates seamlessly with Pleora's eBUS AI Studio for fast design and deployment of custom plug-ins.

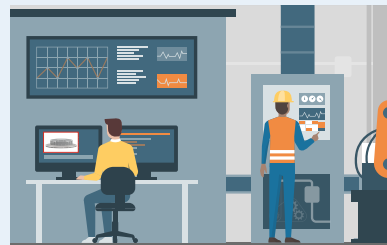


## How It Works

- 1** Train pre-loaded or custom inspection plug-ins for your unique requirements



- 2** Deploy your plug-in on edge processing hardware included in the inspection solution
- 3** Connect the edge processing hardware to a display via an HDMI cable



## Pre-Loaded AI Plug-Ins

To help speed deployment, the Visual Inspection System includes plug-ins for common quality inspection requirements that are easily trained on your unique data. For unique requirements, end-users can design custom plug-ins in eBUS AI Studio or through Pleora's plug-in development service.



### Image Compare

The Image Compare Plug-in makes errors obvious to human operators. Products are compared to a "golden master" on the visual display, with flash mode instantly identifying differences and assisted review highlighting potential deviations that require further inspection.



### Image Save

The Image Save Plug-in records and saves images of every product that goes out the door, based on unique identifiers such as the barcode, for traceability systems including inventory and shipment management and batch tracking.



**4** A user interface automatically runs on the display, guiding operators through the inspection process, and identifying and visually highlighting differences and deviations

**5** Inspection data can be shared with your other business processes



## Automate Manual Tasks



Verify component count



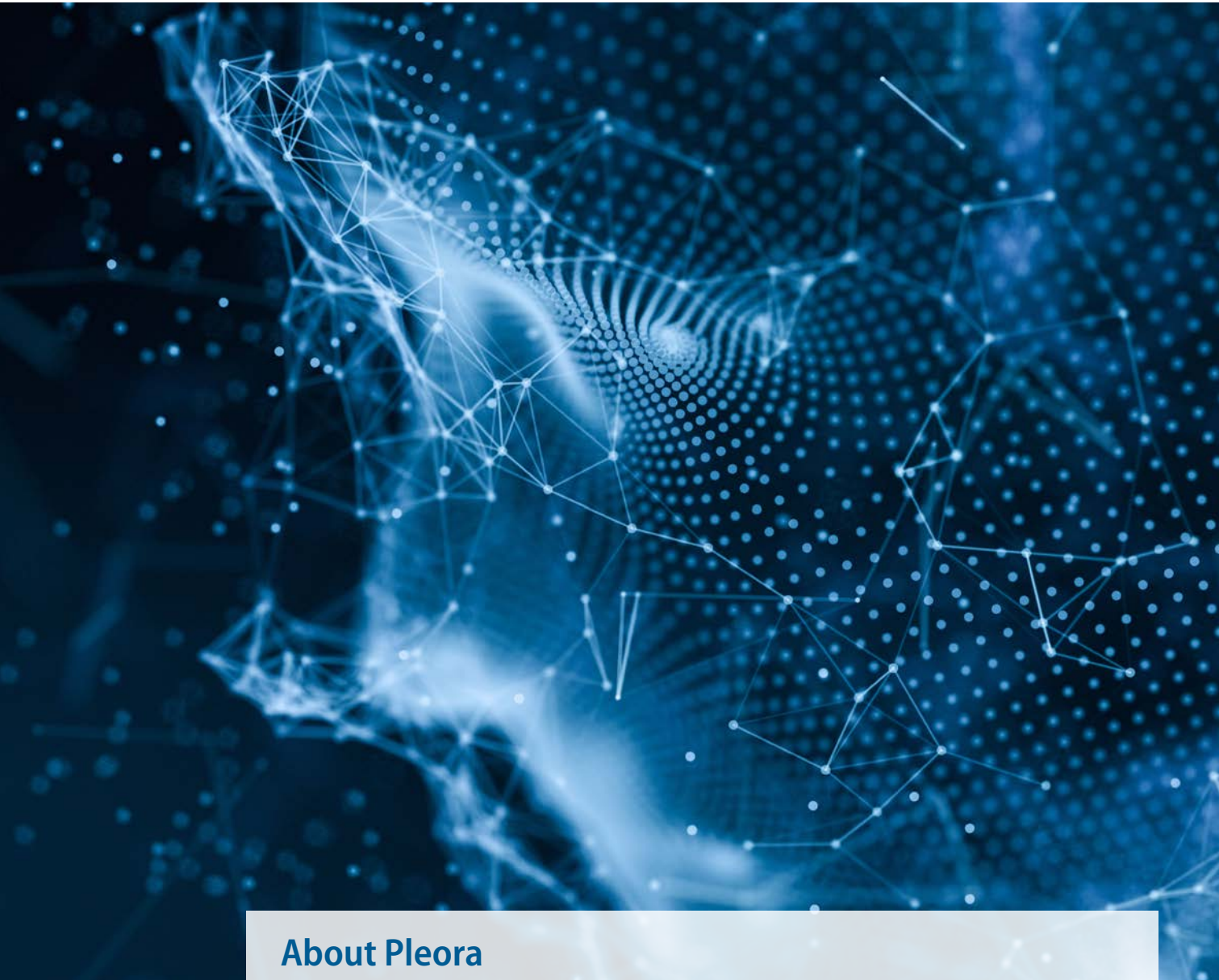
Inspect labelling, printing, & barcodes



Check product assembly



Digitize work instructions



## About Pleora

Global manufacturers rely on Pleora's expertise in AI, real-time sensor connectivity, and rugged networking to shorten time-to-market, reduce risk, and lower costs. Established in 2000, the company serves over 1500 active customers in the industrial automation, medical imaging, and security and defense markets. Headquartered in Ottawa Canada, Pleora has 75 employees in research, sales, and support locations in North America, Europe, and Asia.

The company's AI solutions for inspection include an intuitive "no code" software platform that simplifies algorithm development, edge processing to streamline deployment, and a fully integrated system to automate manual inspection.

*[Learn more at pleora.com](https://www.pleora.com)*