

Implement Edge AI & integrate data from all inspection tools for accelerated root cause analysis





Defect Management & Edge AI

Defect Management System

A system to visualize and analyze inline defect data from all inspection & measurement systems

Our **end-to-end analytics platform** is the first to implement **product traceability** to enable **tracing quality failures to inline defects**.

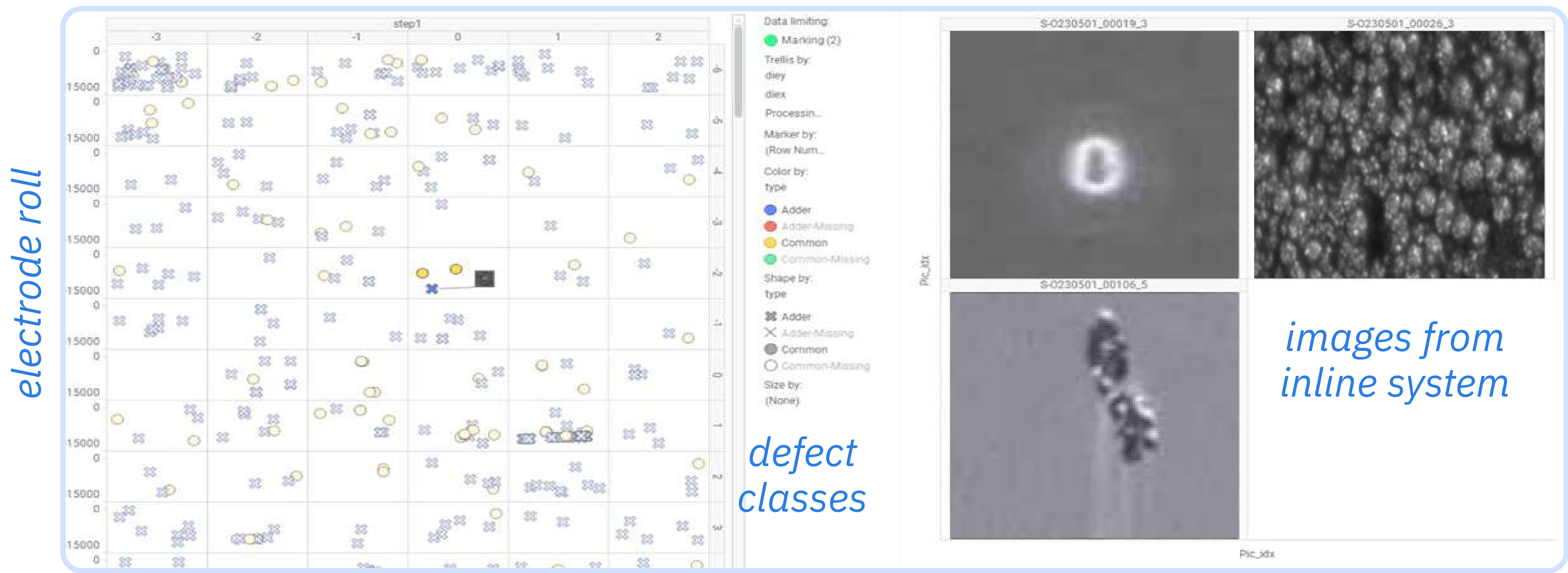
Solutions Highlights

-  Troubleshooting of low yields
-  End-to-end yield and defect management
-  Integration of all inline systems - system agnostic
-  Defect binning and classification automation

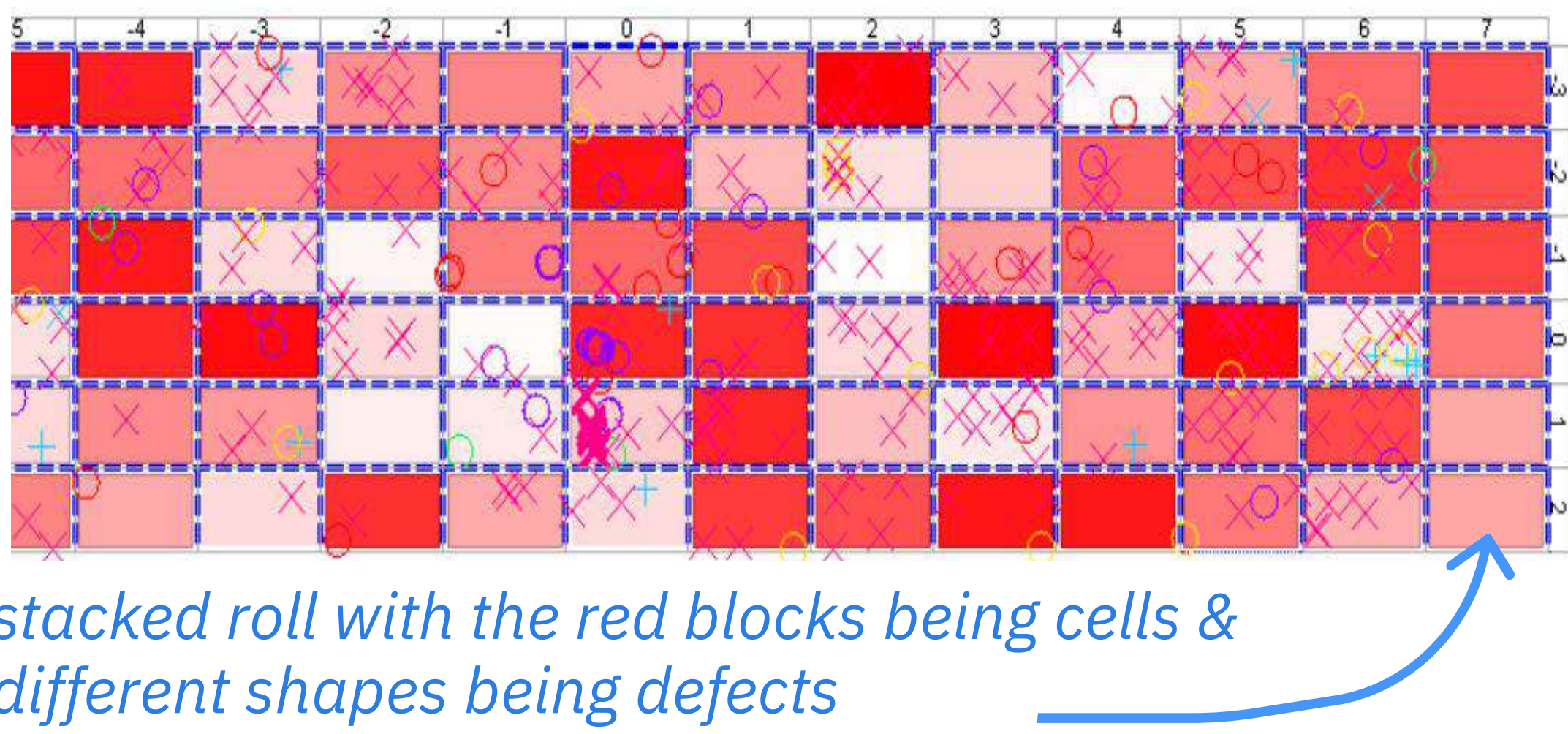
Components

1 Defect Map & Analysis

Defect data storage and analysis with mapping capability and alignment with other data types.

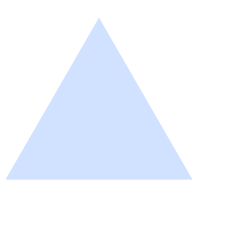


Includes visualization by **lot, cell, stacked roll, or single electrode roll**



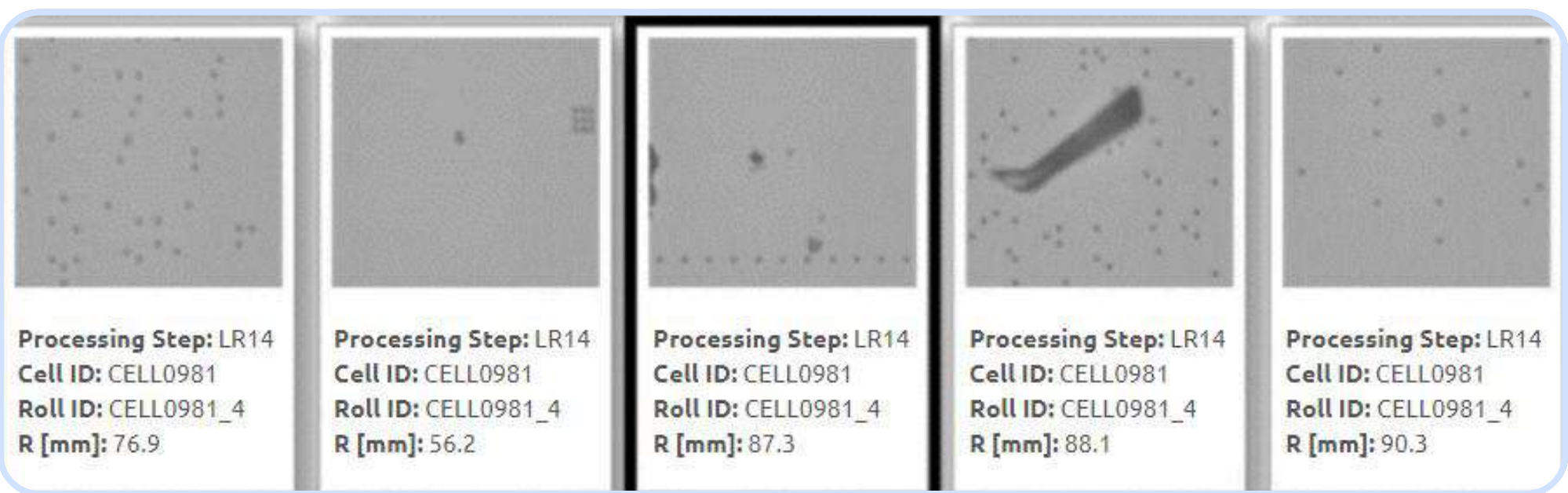
2 Defect Map Classification

Classification of defects to group similar defects by type for Kill Rate and Capture Rate summaries

-  Common
-  Uncommon

3 Defect Map Gallery

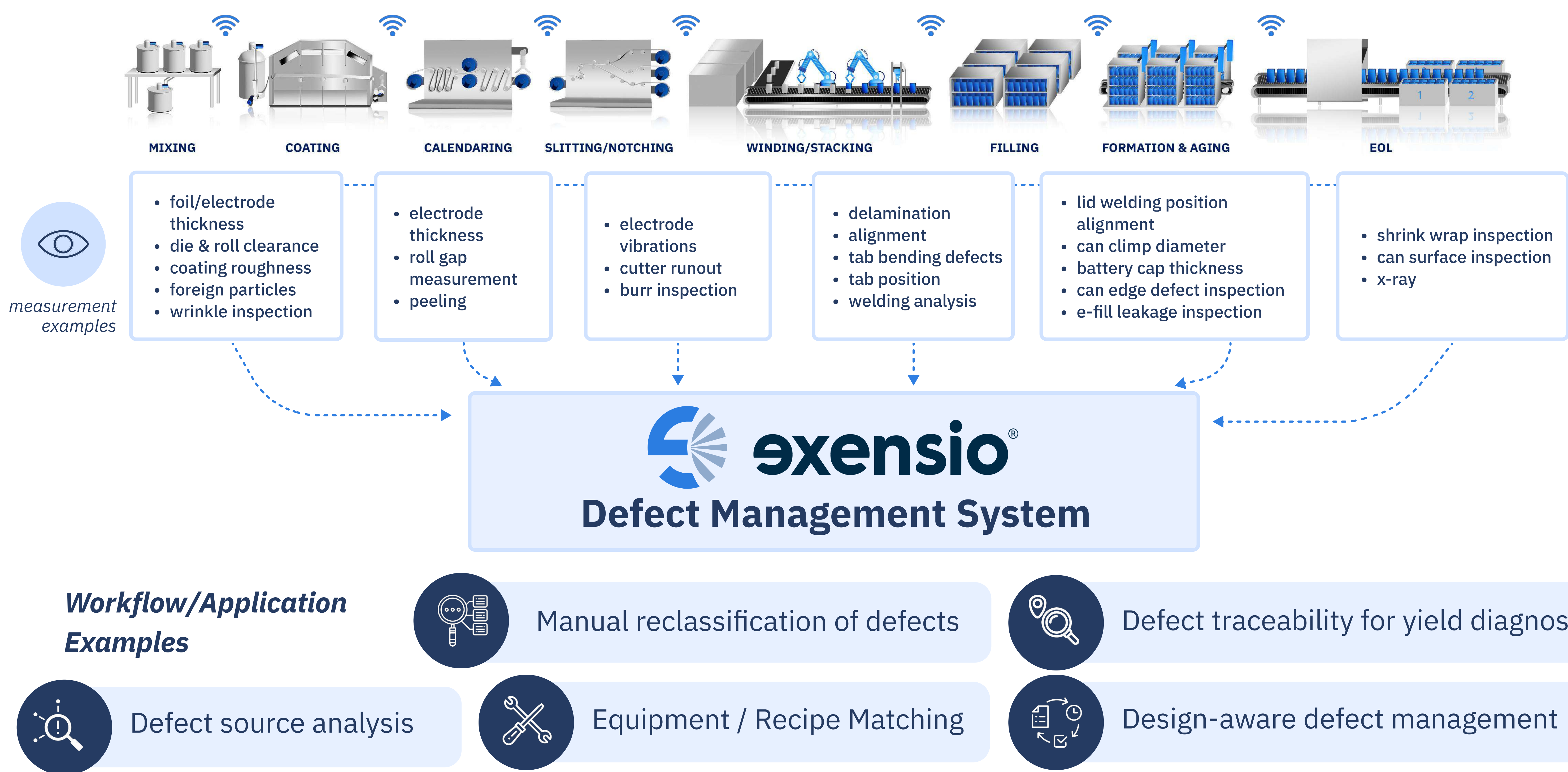
Gallery of inspection and review images linked to inspection site



4 Online Integration With Client MES

Define Statistical Process Control (SPC) and Out-of-Control Action Plans (OCAP) and send alarms to the MES

Combine inspection tool information all in one platform



Edge AI

Quasi real time deep learning model for instance segmentation, allowing you to classify and measure defects during production.

Enhance your inline vision systems through the power of AI.

How it works

