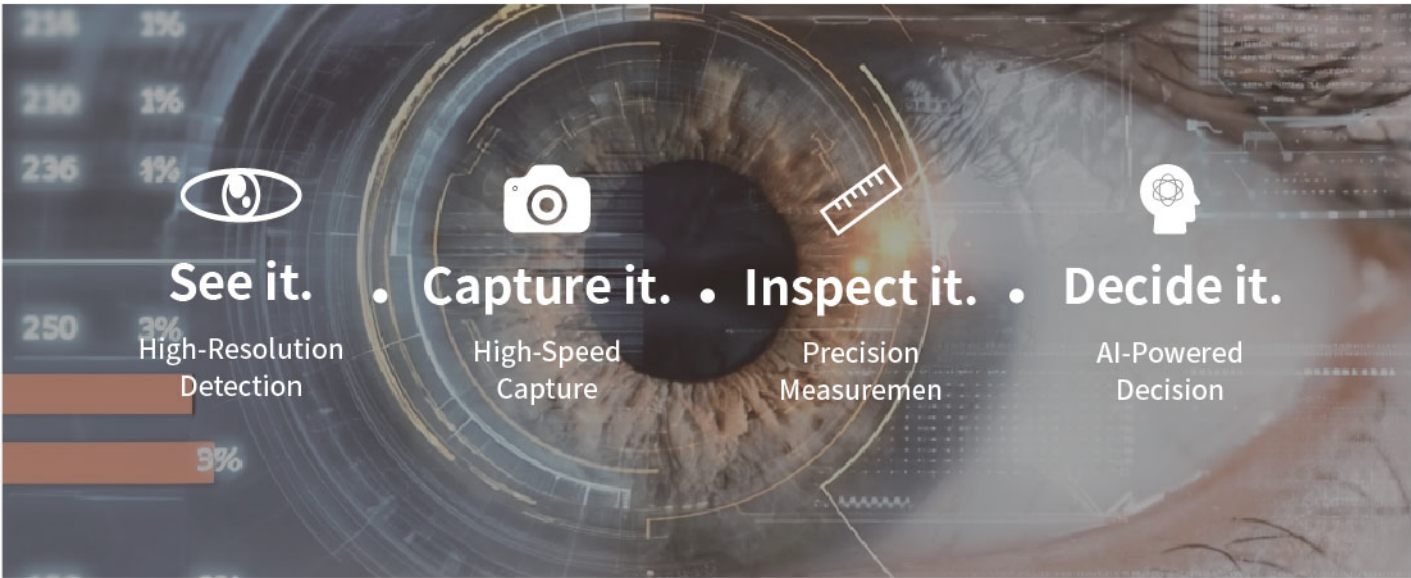




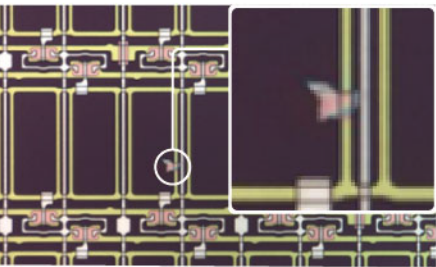
EZAOI Smart Vision

2D/3D Inspection & Metrology System

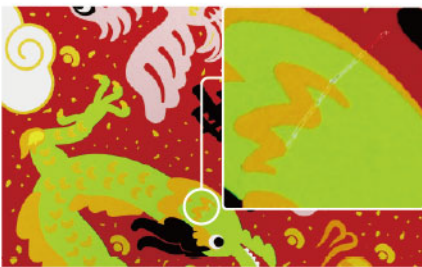


One smart vision platform for high-resolution inspection, high-speed capture, AI-powered analysis, and precise 2D/3D measurement.

Solves Multiple Inspection Challenges



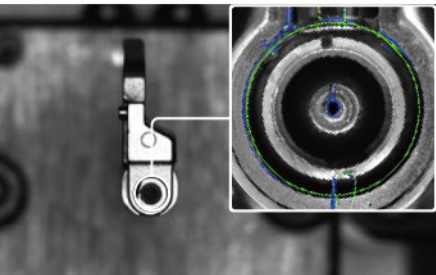
Tiny Defects
Detection



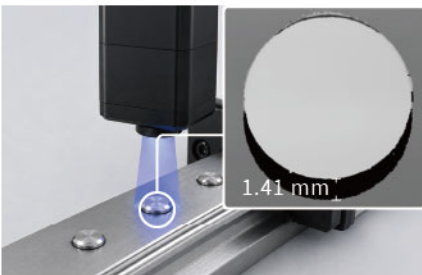
Complex Backgrounds
Detection



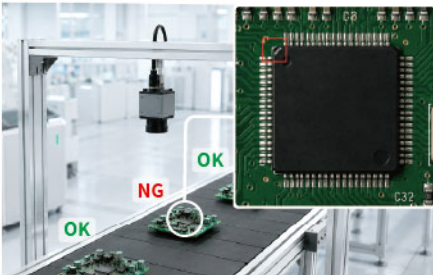
High-Speed Motion
Detection



2D Dimension
Measurement



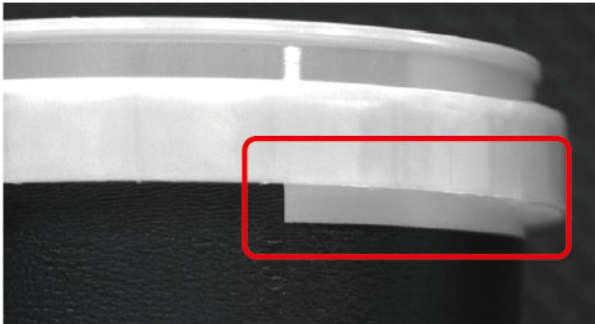
3D Height
Measurement



High-Speed 100%
Inline Inspection

2D / 3D Inspection & Metrology System

Inspection System



Tiny Defects Detection

Detects scratches, burrs, dents, and subtle surface defects.



Complex Backgrounds Detection

Reliable inspection across vivid colors, low contrast, and complex textures.



High-Speed Motion Detection

Up to 6,000 tablets/min or 800 cans/min.

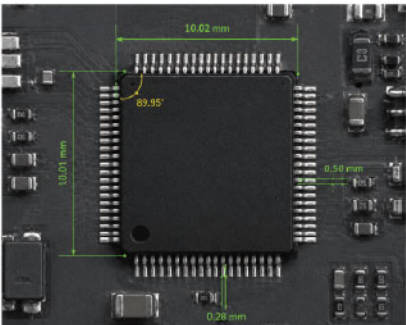
Item	Inspection Surface					
	A	C1	C2	B1	B2	B3
1. Bushing Nole Hole & Tapping			✓			
2. Rib Hole & Corner Status			✓			
3. Axis Alignment		✓				✓
4. Clip Quantity/Color Variation/Bump	✓	✓				
5. Missing Engraving/Offset		✓				✓
6. Mount Over-pressure Deformation				✓		
7. DTM-Dent		✓				✓
8. Mount Surface Scratch	✓	✓				✓
9. Laser Weld Defect: Skip / Charring		✓				
10. Bushing Skew		✓				
11. Shaft Indentation	✓	✓		✓	✓	✓
12. Shaft Indentation & Shaft Knurling		✓		✓		✓



Multi-Item Inspection

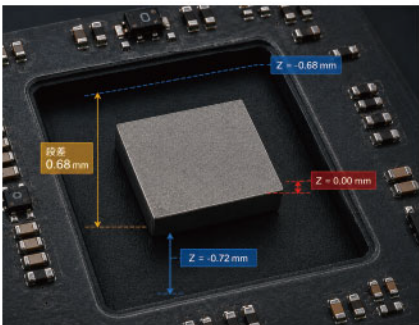
6-sided imaging · 12 inspection items · 25 inspection criteria

Measurement System



2D Dimension Measurement

Measures length, width, spacing, and more with resolution down to 0.1 pixel.



3D Height Measurement

Height, depth, step differences, and 3D profiles with 5 μ m Z-axis accuracy.

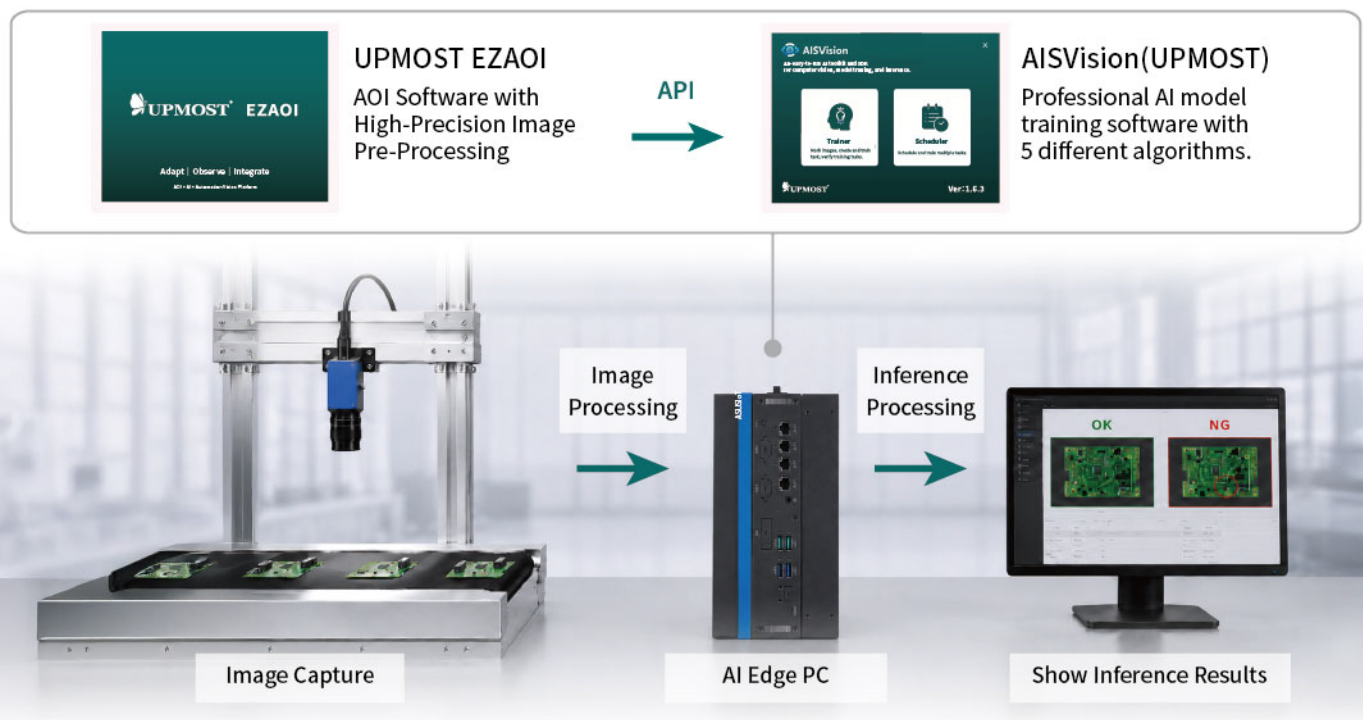


High-Speed 100% Inline Inspection

2D: Up to 600 pcs/min ·
3D: Up to 30 pcs/min
*Decision time: < 10 ms/item

EZAOI System Architecture

AI-Powered · Vision Inspection · Precision Measurement · Automation · Fast Deployment



No Code
Workflow Management

Quick
Parameter Setup

Faster
Development

Scalable
Architecture

Flexible
Modules

- No-code Workflow Management** | No programming required — built on a process-driven architecture.
- Quick Parameter Setup** | Configured by non-technical users through simple parameter adjustments.
- Faster Development** | Significantly reduces both development and maintenance costs.
- Scalability Architecture & Flexible Modules** | Built-in AI, PLC & Network Modules, expandable for future needs.

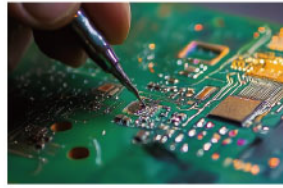
Feature Support Matrix

Category		Work Order Design	Model Training	Inspection	Measurement	Automated Operation	Early Warning
Function	2D	○	○	○	○	○	○
	3D	○			○		○
System Support	Setup Station	○	○	○	○		
	Operator Station			○	○	○	○

One Platform, Multiple Industries



Semiconductor



PCB / Electronics



Precision Parts



Automotive



Metal Processing



Medical

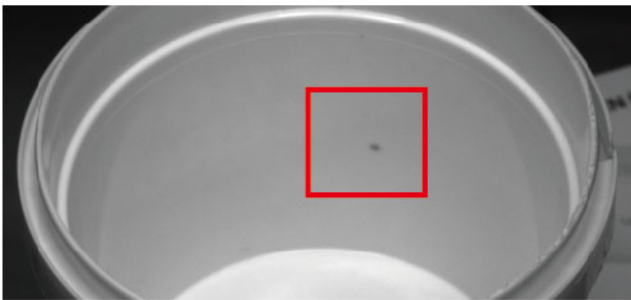


Optics

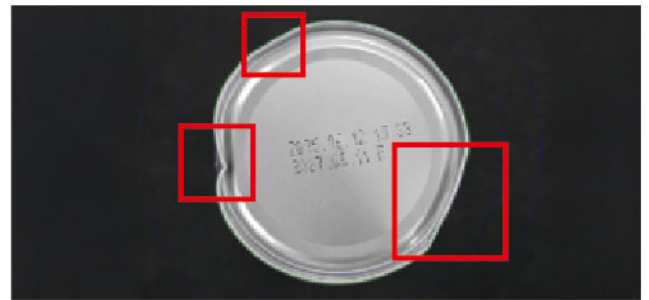


Printing

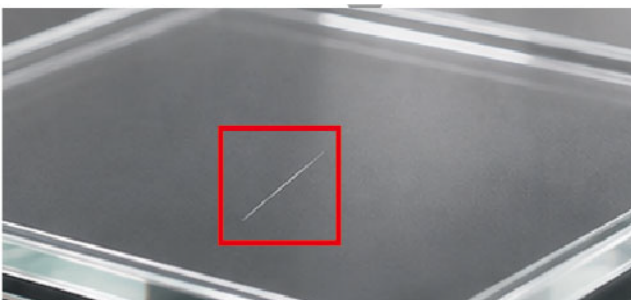
Real Inspection Examples



Plastic Container | Internal defect / Stain



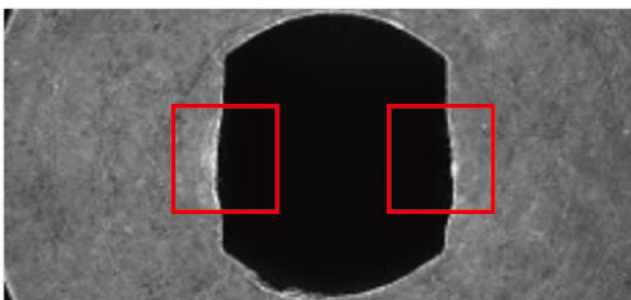
Metal Can | Surface Dent



Glass | Subtle Scratch



Printed Paper | Surface Scratch



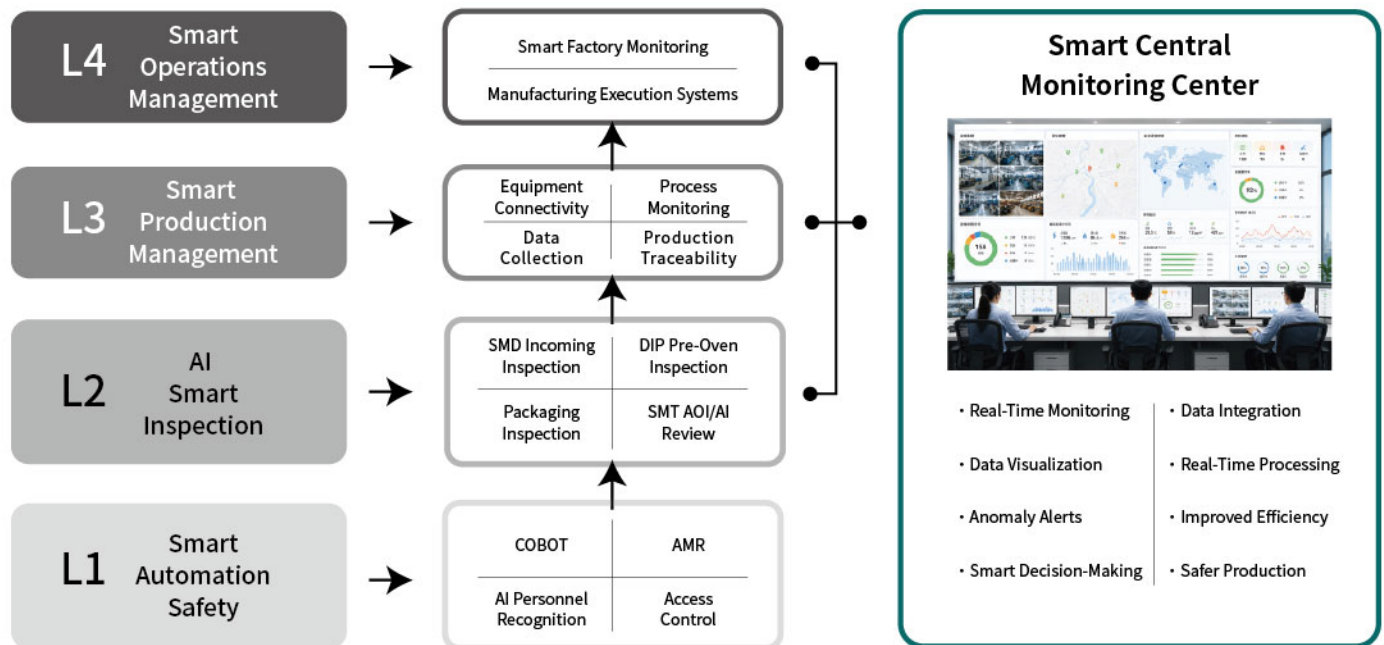
Precision Part | External Defect



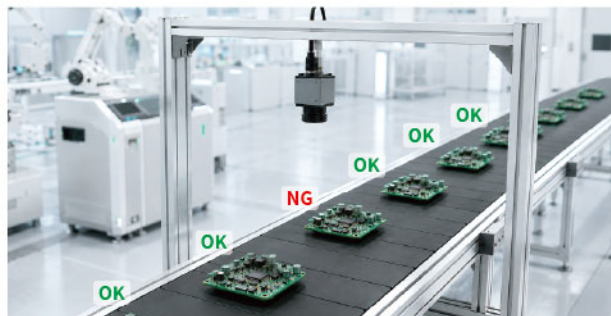
Precision Part | 3D Height Measurement

Smart Factory · Plant-Wide Use

From quality inspection and equipment management to industrial safety, build a visible, controllable, and predictable smart factory.



AI Smart Manufacturing Solutions



EZAOI Smart Vision

AOI x AI x 2D/3D x Automation

Integrate vision, inspection, and automation for smart manufacturing.



Defect
Inspection



Precision
Measurement



Automation
Integration



AISDetector

Signal Analysis & Anomaly Detection

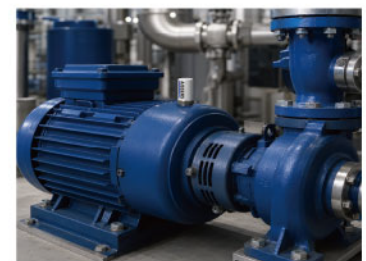
- Anomaly Detection
- Trend Analysis
- Smart Early Warning



AIEHS

Environment, Health & Safety

- Worker Safety
- Environmental Monitoring
- Real-time Exception Alarm



AISPHM

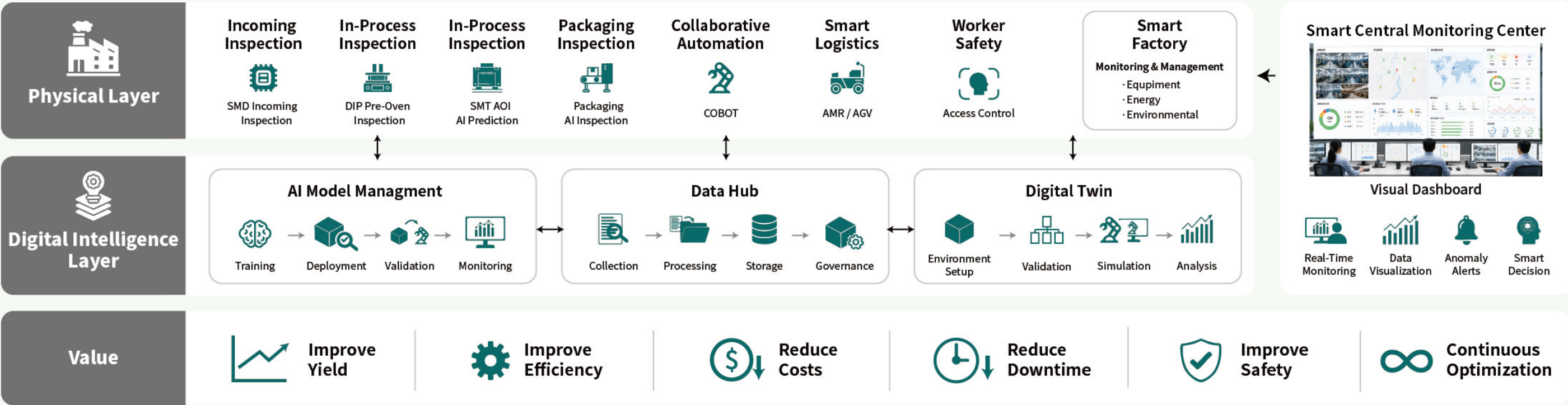
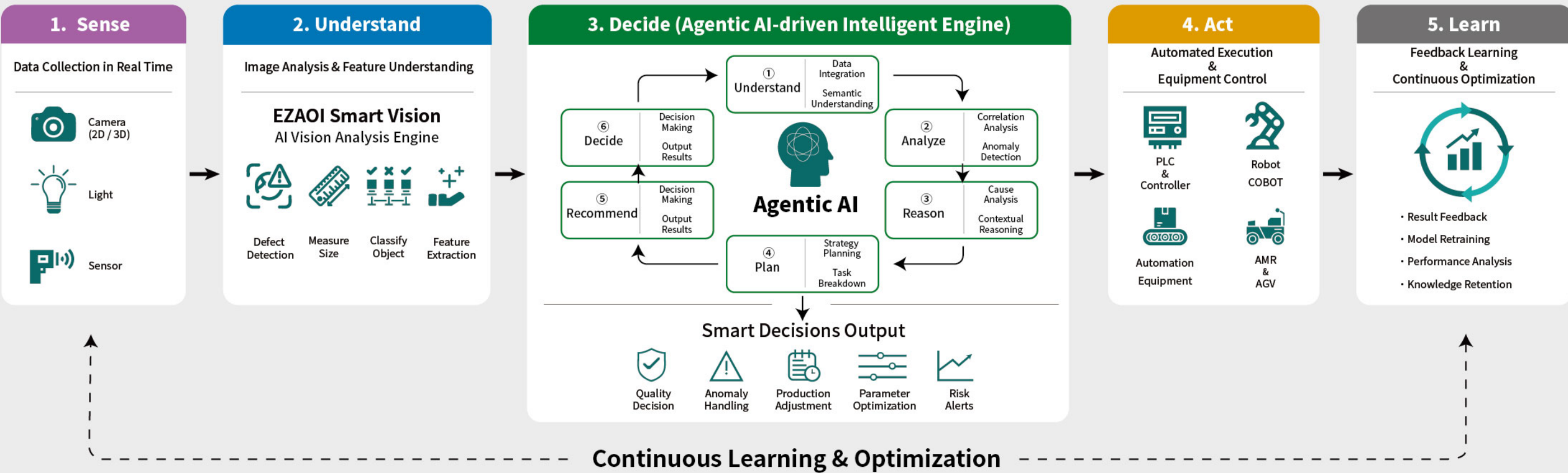
Prognostics & Health Management

- Condition Monitoring
- Failure Prediction
- Predictive Maintenance



Smart Manufacturing | Smart Operations | Smart Decisions

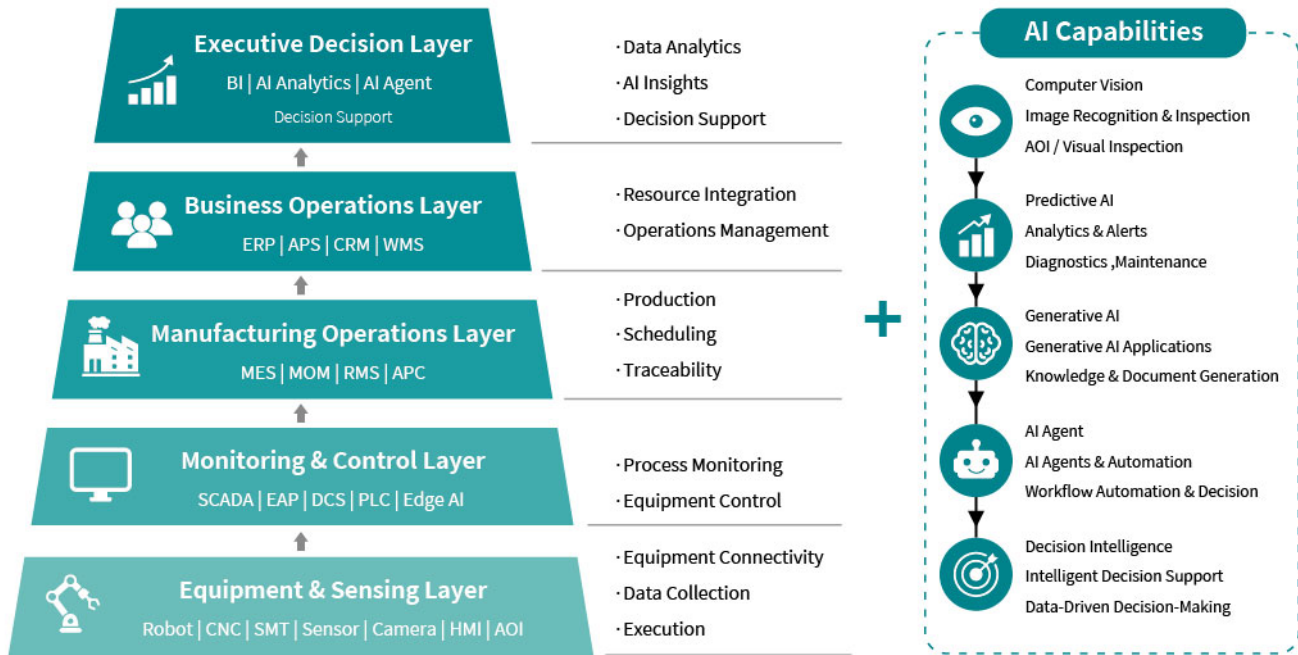
AI-powered Smart Manufacturing : From Insight to Decision, Driving Continuous Learning and Optimization.



UPMOST AI Intelligent DX Services

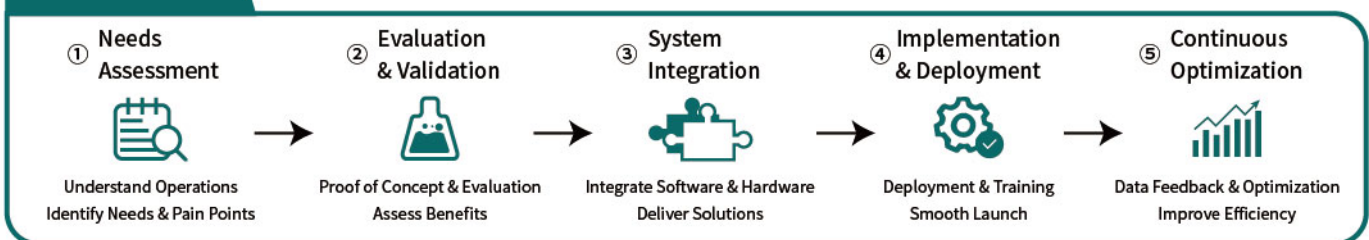
AI × OT × IT × Automation
Driven intelligent transform with end-to-end AI intergration

Integrating AI, automation, and enterprise systems — from data to smart decisions and automated actions.



Service Process & Core Values

Service Process



Core Values

