

Fujitsu's Computer Vision

Powering Manufacturing Quality Control



Revolutionizing Quality Control

Too many manufacturers still depend on skilled workers to undertake repetitive visual inspection across quality control. This adds significant cost and time to production, in a period where price pressures and skill shortages are ever increasing.

Current processes are also susceptible to human error and often limited to a sample of products, risking product quality with potential reputational damage and reclamation costs impacting profits. There is now more need than ever to optimize quality control.

Fujitsu's Computer Vision Solutions empower you to increase revenue and reduce costs through intelligent quality control automation. Combining state-of-the-art AI algorithms with traditional computer vision technologies, as well as partnering with imaging hardware and automation vendors, Fujitsu delivers end-to-end image recognition solutions for quality control automation.

Fujitsu's Computer Vision Solutions deliver end-to-end image recognition solutions to automate, analyze and interpret the detection and identification of visual data.

Benefits

Data Acquisition

- **Traceability** – Deliver evidence of produced products, their appearance and quality
- **Increased Speed** – Inspect more products for defects than possible by manual inspection
- **Reduced Inspection Overhead** – Release skilled workers to focus on higher value activities

Detection

- **Increased Product Quality** – Capture defect information and provide feedback for upstream process refinement
- **Increased Accuracy and Coverage** – Detect smaller and more varied types of defects than possible by manual inspection
- **Reduced Waste** – Identify and capture defects early and address root causes

Analysis

- **Production Optimization** – Use data to optimize production and planning
- **Optimized Maintenance** – Use quantitative defect data to judge when equipment needs maintenance
- **Increased Customer Satisfaction** – Explore new pricing models with greater confidence in product quality

shaping tomorrow with you

FUJITSU

Fujitsu's Computer Vision Solutions add value for Manufacturing organizations across quality control, manufacturing optimization, compliance and digital transformation



"Fujitsu gave us great confidence in the technology and worked closely with our operators. It is clear that this new approach has the potential to transform our quality assurance process."

Aaron Gilbraith,
Project Manager,
GKN Aerospace

Flexible

Platform neutral, deployable to cloud or on-premises, integrates seamlessly with existing CCTV infrastructure, machine vision sensors, compute hardware & software ecosystems

Data Science Friendly

Easy to extend and leverages understanding of domain specific environment to generate and present algorithms and data analysis

Futureproof

Security, performance & functionality through on-going release updates

Scalable

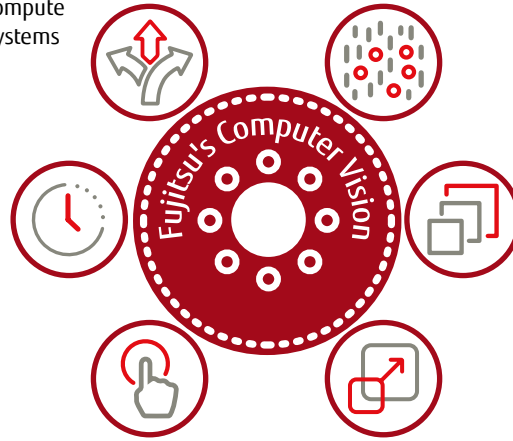
Scale to support additional users, organizations, data, processes and features over time

Easy to Deploy

Intuitive, customizable UI reduces user learning curve to support role- and use case-specific views to improve business decision making

Customizable

Predefined, yet modifiable, modules to trial, prove business value and address unique customer challenges



Fujitsu's Computer Vision also supports customers in the following industries:



Retail

Customer behavior analysis, purchase pattern and queue management, store health capacity and occupancy tracking, footfall and demographics analysis for people and vehicles.



Security

Crowd and traffic analysis, behavior analysis, missing person tracking, abandoned object detection, leverage existing CCTV infrastructure.



Public Sector

Asset identification and fault monitoring, cataloging and planning, city infrastructure maintenance.



Healthcare

Faster and more accurate healthcare diagnosis and measurement, efficient screening for illness and disease.



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