FUJITSU

Fujitsu 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 Computer Vision empowers you to increase revenue and reduce costs through intelligent quality control automation. Combining state-of-the-art Artificial Intelligence (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 Computer Vision delivers end-to-end image recognition solutions to automate, analyze and interpret the detection and identification of visual data.

Benefits of Fujitsu Computer Vision

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

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Fujitsu Computer Vision adds value for manufacturing organizations across quality control, manufacturing optimization, compliance and digital transformation
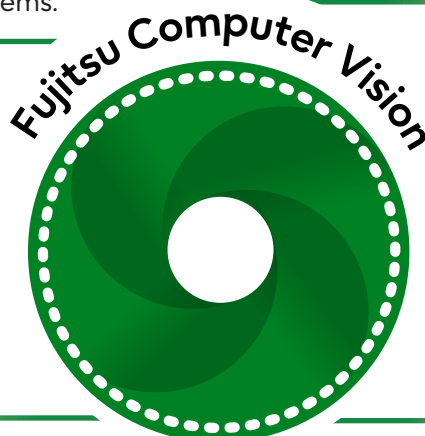
Flexible
Platform-neutral, deployable to cloud or on-premises, seamlessly integrates with existing CCTV infrastructure, machine vision sensors, computer hardware and software ecosystems.

Data-science friendly
Easy to extend and leverage understanding of domain-specific environment to generate and present algorithms and data analysis.

Fujitsu Computer Vision

Futureproof
Security, performance and functionality through on-going release updates.

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

Easy to deploy
Intuitive, customizable user interface 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 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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