

Robot Inline Inspection System

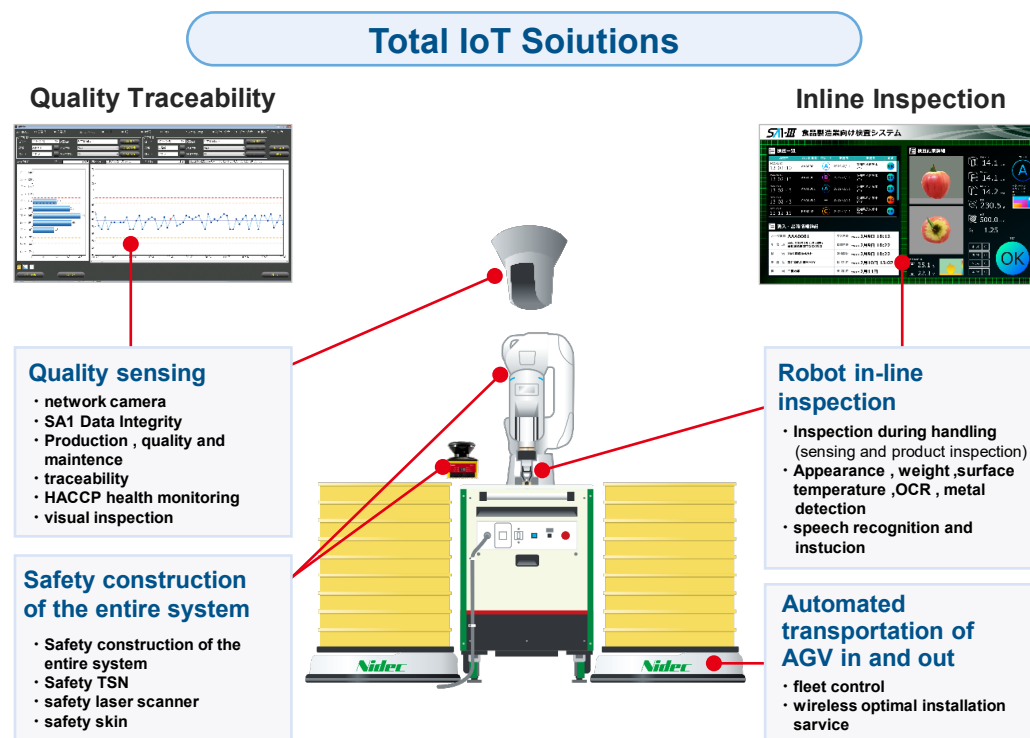
» Features

Integrated IoT for soundness and data integrity of foods and pharmaceuticals through in-line inspection

Realization of a flexible system that integrates multiple processes using robots , AGVs , and sensing equipment

Realizing fenceless safety system by industrial robot combining safety laser scanner

» Diagram



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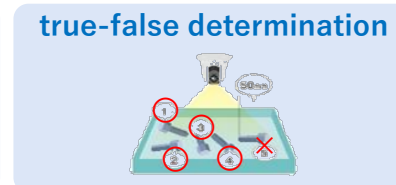
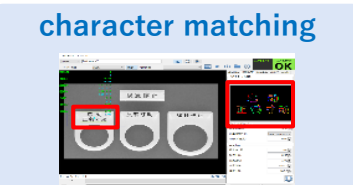
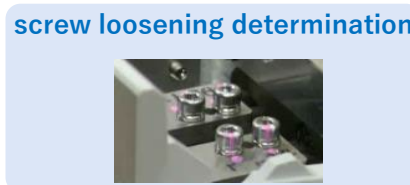
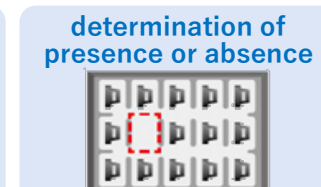
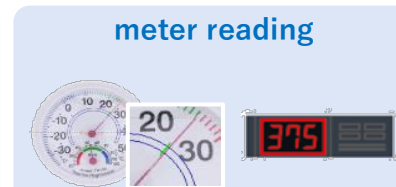
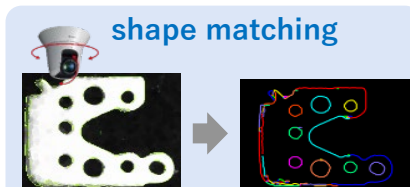
In-line inspection by video analysis (robot + SA1-III + Vision Edition)

CANON INDUSTRIAL IMAGING PLATFORM
Vision Edition

Video analysis reduces manual labor

There are many situations and operations in which people judge with their eyes, and efficiency and labor saving are not promoted.

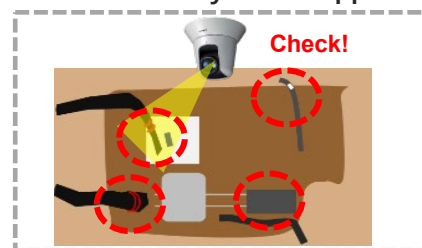
To promote manpower saving and load reduction by using image recognition technology.



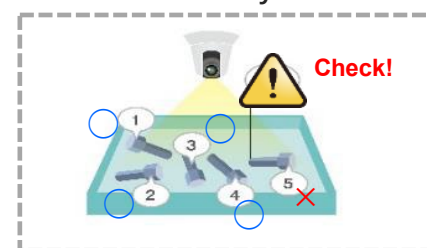
Collect quality traceability information from video and images

- Judgment of the quality of products, parts and processed parts by shape analysis
- Reading text, QR code, meter, etc. Save as Traceability Information
- From the lighting/flashing status of the tower indicator light Collect operating and abnormal status

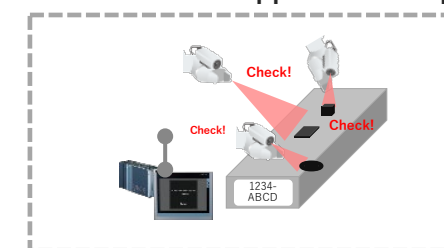
■ Man assembly work support ■



■ Method Assembly Check ■



■ Measurement Appearance Inspection ■



Robot Inline Inspection System

Automation and labor saving by robot and AGV

Automation of low value manual transportation work

A field worker can use production free time

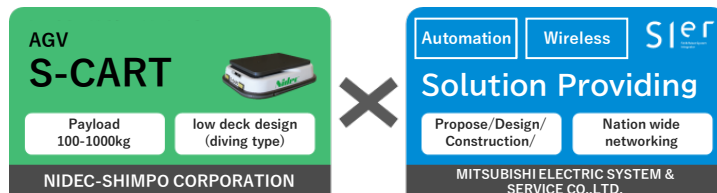
Find and deliver the package.

In transporting heavy objects, the number of workers is limited and the burden on the body is large.

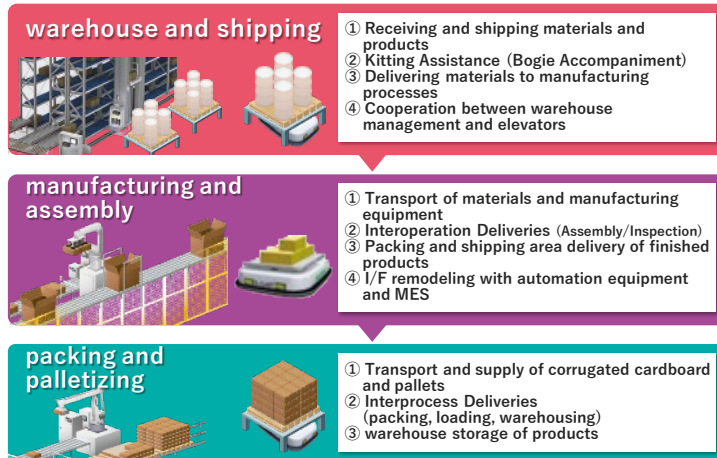
Promotion of production automation corresponding to COVID-19 and production population shortage

Automated Delivery with AGV

- Operation plan, wireless LAN environment, and facility linkage total support
- For AGVs with fleet control optimal operation control
- Before and after transportation, such as incoming/outgoing shipment and goods management automation and digitization of operations



transport application



manufacturing and assembly

Wireless Lan adapter
MOXA
AWK-3131A-ME

Equipped with AGV for stable communication even when moving at high speed
Industrial wireless LAN ideal for mobile communications.
The industry's fastest "high-speed roaming" provides stable communications.

packing and palletizing

parts and materials warehouse

From field surveys and radio equipment selection
Support for installation work services

Measurement using the radio wave confirmation tool
Based on the data,
Optimized layout design.
(A tool for checking is also available.)

S-CART function
Follow the person or object walking ahead.

product warehouse and shipment

AP : Access Point
CL : Client

