Robot Inline Inspection System

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
Robot Inline Inspection System

In-line inspection by video analysis (robot + SA1-III + 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.

- 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

Collect quality traceability information from video and images

- Man assembly work support
- Method Assembly Check
- Measurement Appearance Inspection

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A field worker can use production free time to 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

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

Transport application
Transportation of materials and manufacturing equipment
Interprocess Deliveries (Assembling/Inspection)
Packing and shipping area delivery of finished products
I/F remodeling with automation equipment and MES

warehouse and shipping
- Receiving and shipping materials and products
- Kitting Assistance (Bogie Accompaniment)
- Delivering materials to manufacturing processes
- Cooperation between warehouse management and elevators

Manufacturing and assembly
- Transport of materials and manufacturing equipment
- Interprocess Deliveries (Assembly/Inspection)
- Packing and shipping area delivery of finished products
- I/F remodeling with automation equipment and MES

Packaging and palletizing
- Transport and supply of corrugated cardboard and pallets
- Interprocess Deliveries (packing, loading, warehousing)
- Warehouse storage of products

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

Automation and labor saving by robot and AGV
Automation of low value manual transportation work

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