

# Break the mold of "Appearance inspection = visual inspection"

Scanning appearance inspection system

## Achieves high-speed inspections of complex curved surfaces using Kawasaki robots



Patented technology

### Past appearance inspection

- Mainly by visual inspection
- Automated inspection with area cameras also requires a long time to start up the system and complete inspections.

Lack of inspectors and variation in judgment

### Future appearance inspection

- Kawasaki Robot with line scan camera achieves quick startup and completion of inspections

Realizes variation-free inspection at high speed 24/7/365

## Features

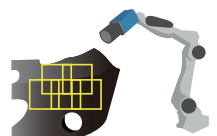
Continues scanning even on curved surfaces  
Scans complex surfaces smoothly like a copy machine.

Reduces cycle times to 1/10  
cycle times more significantly than area cameras.

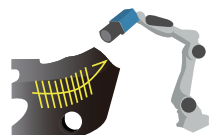
Reduces startup time to 1/6  
This makes the system startup time far shorter than that with area cameras.

### cycle times image

Area camera with conventional robot  
Intermittent photography  
Reduces



Line scan camera with Kawasaki robot  
Continuous scanning



**Reduces cycle times to 1/10!**

# Break the mold of "Appearance inspection = visual inspection"

Scanning appearance inspection system

**Automates processes from appearance inspection to sorting at high speed in small spaces**



## Features

Automates appearance inspection that requires only a workspace for one person

Saves spaces (required dimensions: 2 × 1 m) by fixing the camera for handling workpieces.

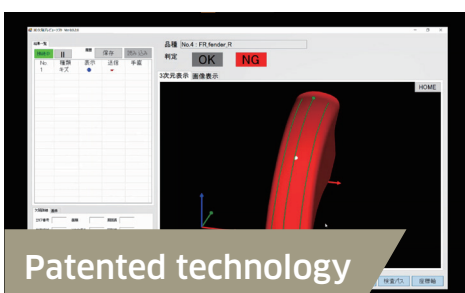
Inspects small workpieces with complex curved surfaces at high speed.

Line scan cameras achieve high-speed visual inspection of small workpieces having complex curved surfaces.

Sorts good and defective workpieces

After completing an inspection, the robot also sorts good and defective workpieces.

**Identifies defective sections for improved yield**



- A 3D Viewer displays defective sections
- Marks actual workpieces
- Improves yield by accumulating and analyzing data on defective workpieces
- Storage of defective data ensures traceability