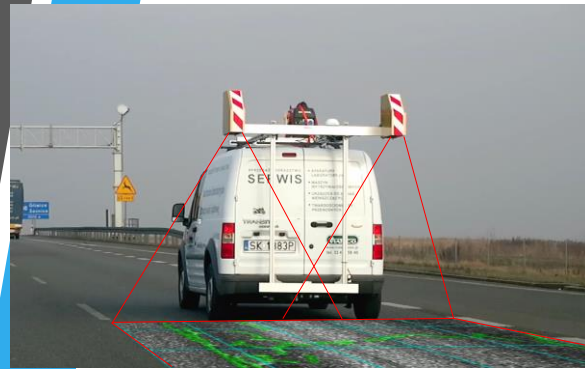


# KURABO Inspection Systems

## Pavement Scanner PG-4

KURABO PG-4 is a compact type pavement inspection unit. To downsize the system, you can mount them on your general vehicle and scan roadway with 100km/h high speed. From 3D scanned data, our software automatically detects cracks, ruts, potholes and other defects with high precision. PG-4 provides you stable and efficient pavement inspection to support your roadway asset management!

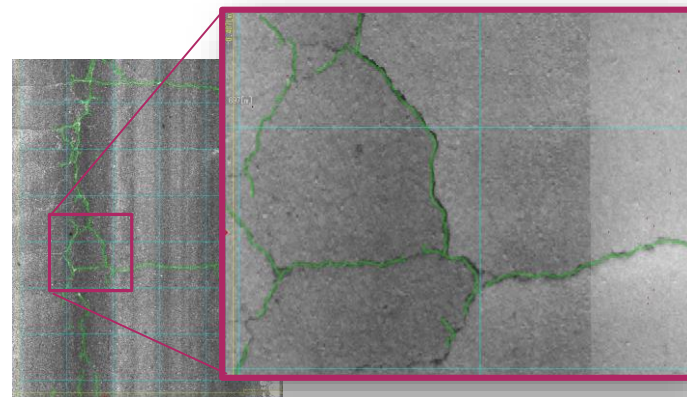


- 1** Scan up to 100km/h without lane closure.
- 2** Compact design to mount on general vehicle.
- 3** Measurable both day and night time.

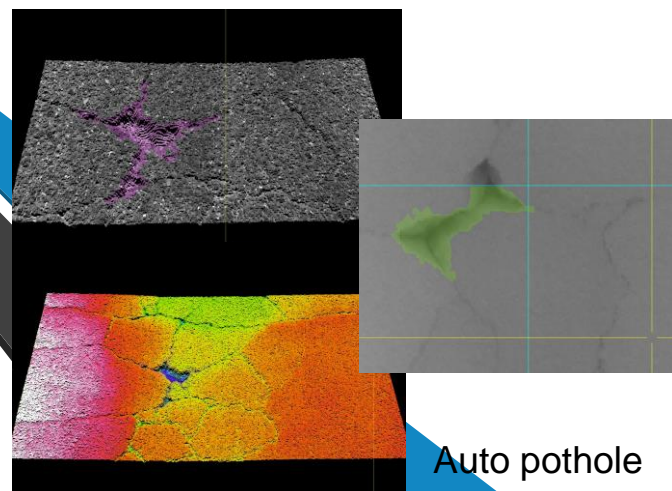
### Features



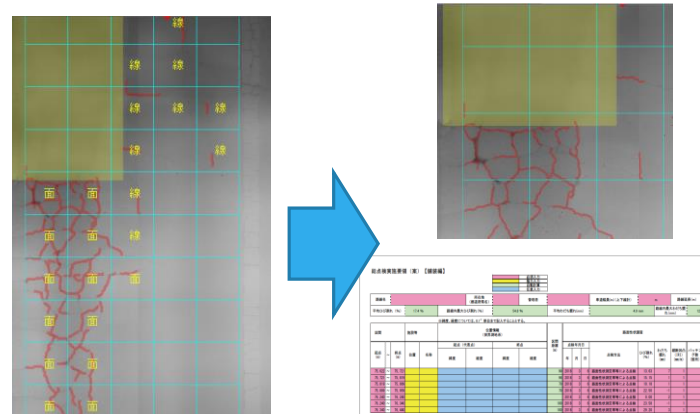
Smooth 3D view with rutting



Auto crack detection



Auto pothole detection



Create meshes, sort out damages, and output result as an image or report.

## Tunnel Scanner TM-270

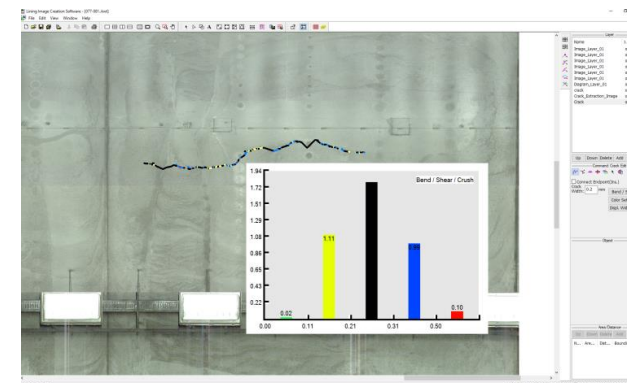
KURABO Tunnel Scanning Systems are designed to scan the lining surface of highway/subway tunnels within limited on site inspection time. The systems dramatically improve work efficiency & safety, reduce on site work, and provide you 1mm/pixel high resolution tunnel map which can detect hair cracks automatically.

### Vehicle Type

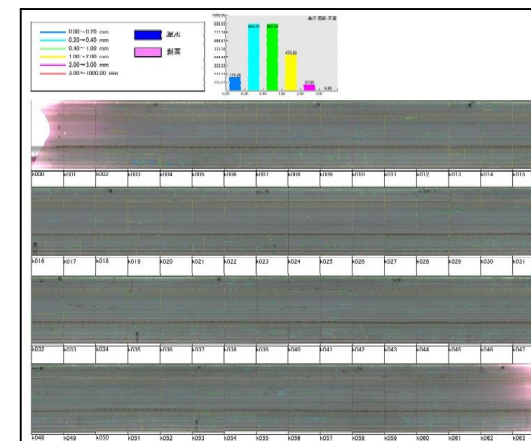


Scan up to 100km/h

### Features

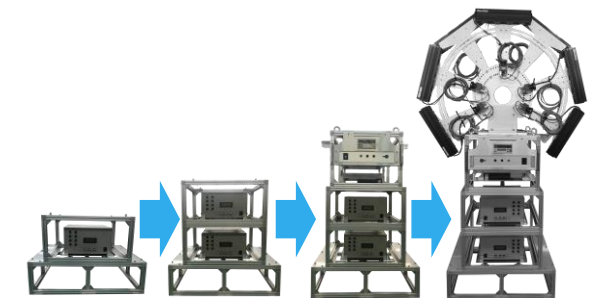


High resolution color line cameras capture hair cracks and SW auto-detect them.

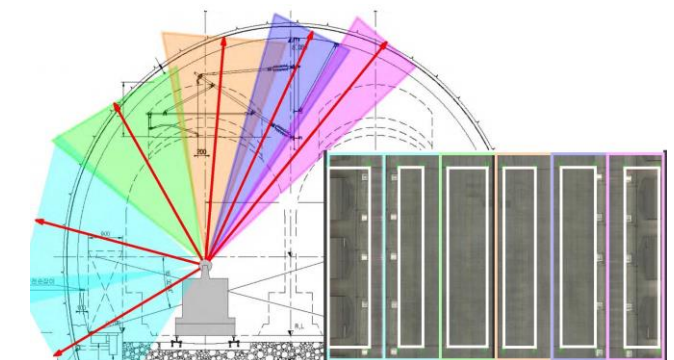


User-friendly analysis SW supports to create a final report.

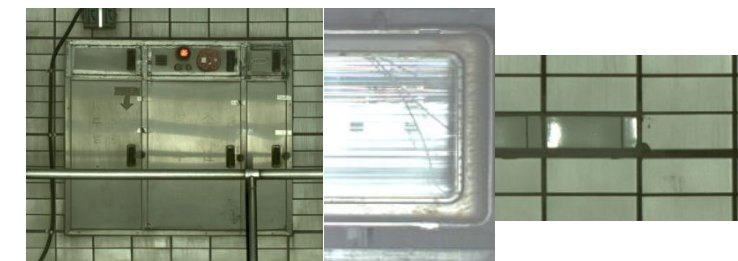
### Compact Type



Only 5 step (30 min.) to assemble on site!



Create stitched tunnel surface image automatically.



The high definition images can be used for tunnel facility inspection.



# Specification

## Pavement Scanner PG-4

Application: Highway/Road/Runway & Apron/Railway, etc.

3D Camera Specification

Survey Speed: Up to 100km/h

Transversal Resolution: 1mm/pixel

Height Resolution: 0.5mm

Travel Direction Resolution: 1mm to 4mm

Others: Available to handle raw data for evidence of the result.

Open source hardware makes user easier to do local maintenance.

## Tunnel Scanner TM-270

Application: Highway/Road/Railway Tunnels

2D Camera Specification

Survey Speed

- Vehicle Type: Up to 100km/h

- Compact Type: Up to 20km/h

Transversal Resolution: 1mm/pixel

Travel Direction Resolution: 1mm/pixel

Others: Available to handle raw data for evidence of the result.

Open source hardware makes user easier to do local maintenance.

## Case Study



**KURABO**

Advanced Technology Division

14-30 Shimokida-cho, Neyagawa, Osaka 541-8581 JAPAN TEL: +81-72-812-5087

Website: <https://www.kurabo.co.jp/el/world/en/>

E-mail: [info-cad@kurabo-grp.com](mailto:info-cad@kurabo-grp.com)

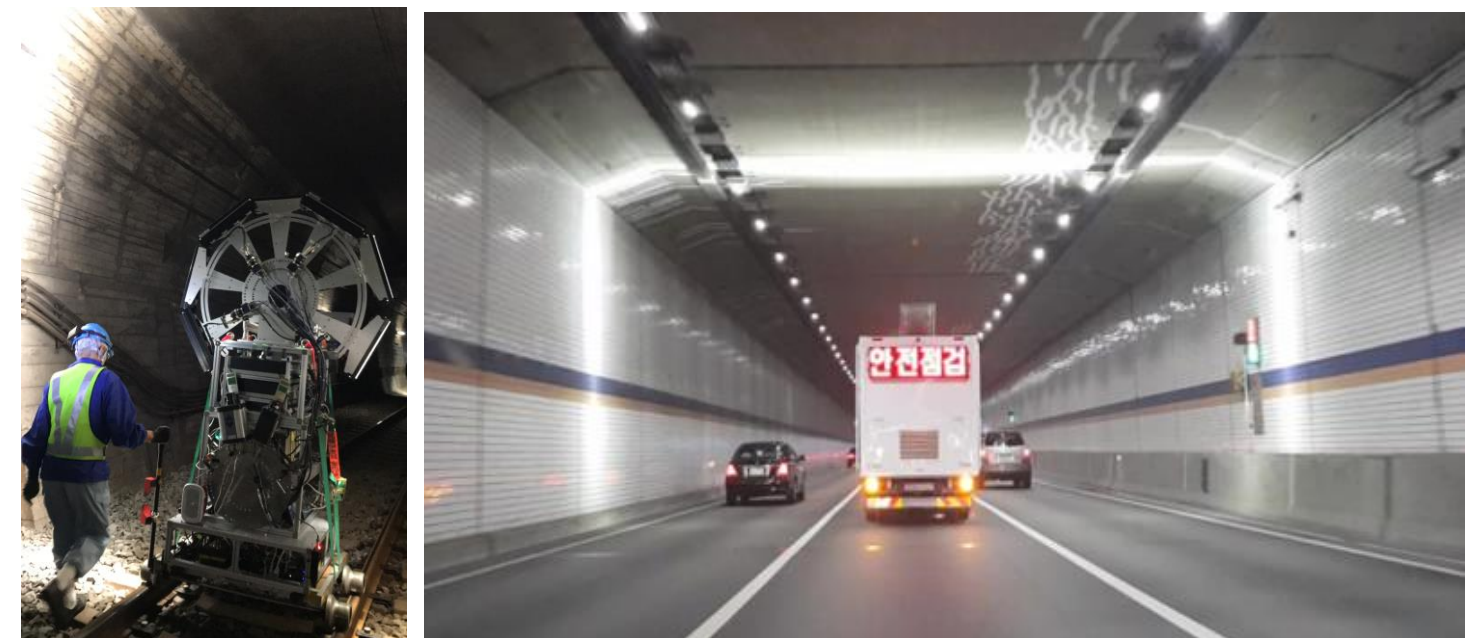
2019. 8. ①

## New Era of Infrastructure Inspection with KURABO's Image Processing Technology!

## Pavement Scanner PG-4



## Tunnel Scanner TM-270



**KURABO**