Step 1: Record a video of the road surface with the in-vehicle 4K camera system.

Step 2: Employ an AI\(^1\) feature to determine the cracking and rutting severity levels for each specified section of the road.

Step 3: Graphically present the result on GIS.

Features of Multi Fine Eye

- Facilitates road surface inspection.
- AI\(^1\) capability allows automatic detection of cracking and rutting from in-vehicle video camera recording.
- Identifies repair-required locations from a vast control area.
- Classifies each GPS coordinate section (20 to 100 meters long) into cracking and rutting severity levels.
- Three levels of cracking and rutting are specified.

How to use

**Step 1:** Record a video of the road surface with the in-vehicle 4K camera system.

**Step 2:** Employ an AI\(^1\) feature to determine the cracking and rutting severity levels for each specified section of the road.

**Step 3:** Graphically present the result on GIS.

*1 NEC Advanced Analytics - RAPID machine learning
Fine Tape: Pavement jointing tape made with butyl rubber compounds

Features of Fine tape

- Creates an aesthetically pleasing pavement joint.
- Strengthens the joint between pavement sections.
- Double-sticky tape made from butyl rubber composition.
- Self-adhesive tape does not need glue.
- Heating is not required.
- Will not melt at high temperatures.
- Will not stiffen at low temperatures.

General product size:
50mm × 1mm (10 meters in one roll)

How to apply

Step 1: Dry the installation area and remove dirt and foreign matter from the surface.

Step 2: Apply the tape continuously over the joint with the already sticky side against the road.

Step 3: Remove the release liner.

Step 4: Coat the taped section with sand.

Step 5: Clean the area and open the road to traffic.

Clean the area  Apply the tape  Provide a top coat  Open the road to traffic

FUKUDA ROAD CONSTRUCTION CO., LTD.
https://www.fukudaroad.co.jp
Otonashi-kun: Communication system with FM radio and LED panel features

Features of Otonashi-kun

- Facilitates communication between the paving equipment operator and the feed vehicle.
- Instructions are given via FM radio audio.
- Audio-synchronized animation is provided on the display.
- Audio and animation can be customized (for other work types).

Audio and Animation

“Dock with the finisher”

“Raise the bed”

“Lower the bed”

Main unit

Controller

380 × 580 × 110 mm display (320 × 480 mm)

Hard-wired switch box

Remote controller

FUKUDA ROAD CONSTRUCTION CO., LTD.
https://www.fukudaroad.co.jp
Heat Dressing: Road surface refreshing technology with hot in-place recycling

Features of Heat Dressing

- Refreshes the road surface with hot in-place recycling.
- Provides correction of cracks, ruts and level differences on structurally appropriate roads.
- Does not generate waste material.
- Four LPG infrared heating panels provide stepped heating.

How to use

**Step 1:** Heat and soften the deteriorated pre-installed paving.

**Step 2:** Apply the rejuvenating agent to increase asphalt viscosity.

**Step 3:** Mill and stir the softened paving to a specified depth.

**Step 4:** Mix the old paving with fresh composition.

**Step 5:** Spread and compact the mixture in place (no overlay or seal coating required).