

SurfView™ (Rail)

Automated Rail Surface
and Track Inspection

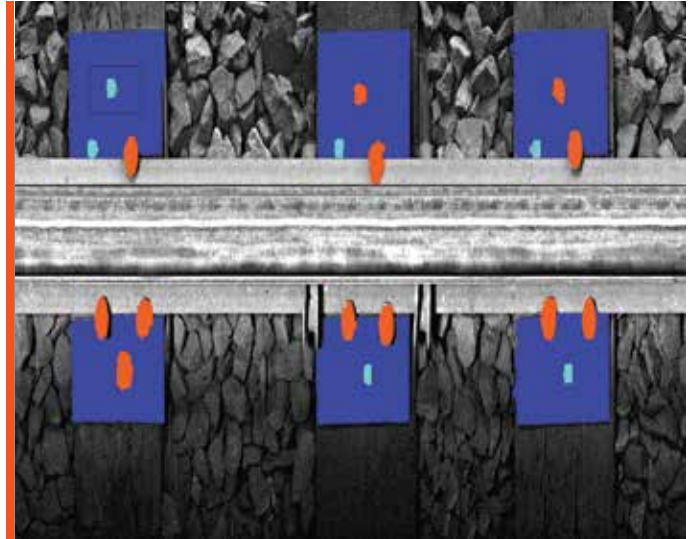
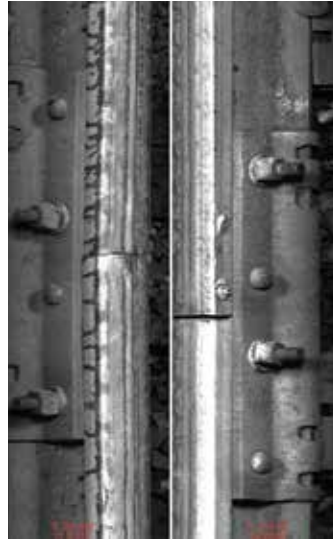


SurfView is a vehicle based rail and track surface imaging and inspection system. The system is installed on a rail vehicle or a high-rail truck, and scans the rail and the track with the desired resolution.

System generates very high resolution images of the rail surface and track components such as ties (sleepers), tie plates, fasteners, ballast, etc. The system also generates high resolution 3D data from the track and rail structure. The combination of 3D data and image data will create all the information that we need to complete a full analysis of rail and track structure.

System can be used to detect rail surface defects, missing or broken pieces, track gauge, track ballast condition, vegetation, joint bar condition, etc. SurfView comes with its on board computer, acquisition, analysis, and display software.





➔ Inspections and Measurements

- Visual and Automated Rail Surface Condition
- Ballast Condition
- Joint Bar Inspection and Counting
- Detection of Missing, Broken Rail Fasteners
- Detection of Damaged or Displaced Sleepers
- Ballast Condition
- Tie condition

➔ Features

- Line Scan Technology
- On-Board Display
- Off-Line Display for Detailed Post Processing
- High Quality Images for Automated and Visual Inspection
- 3D Laser Scanning
- Distance Pulse Signature
- GPS-Based Position Support
- Up to 6 Cameras for High Resolution Imaging
- Up to 4 Laser Scanners
- Sophisticated GUI for User Interaction, Marking, and Storage
- Operating Temperature: of -40°C to 55°C
- Imaging Speeds of Up to 120 km/h