



BeenaVision

Innovations in Non-Contact Train and Track Inspection Systems

WheelView

Automatic In-Track Wheel Profile Measurement System

WheelView is an automatic wayside detection system that is designed to measure wheel profiles of a moving train. WheelView is used to inspect wheels for derailment prevention, preventative maintenance, maintenance scheduling, and to reduce track and rail damage caused by excessively worn wheels.

WheelView is a rugged system designed to operate in very harsh environments as well as shops and yards. WheelView is an exceptionally robust system that is capable of operation without human intervention for a very long time.



MEASURED PARAMETERS

- Flange Height
- Flange Width
- Flange Slope
- Tread Hollow
- Rim Thickness
- Full Wheel Profile
- Back-to-Back Measurement (optional)
- Angle of Attack (optional)
- Wheel Diameter (optional)



Accurate, Rugged, Reliable, Automatic Wheel Profile

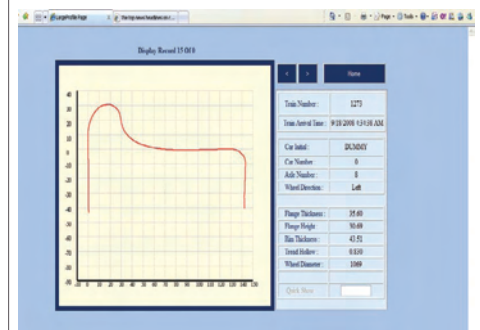
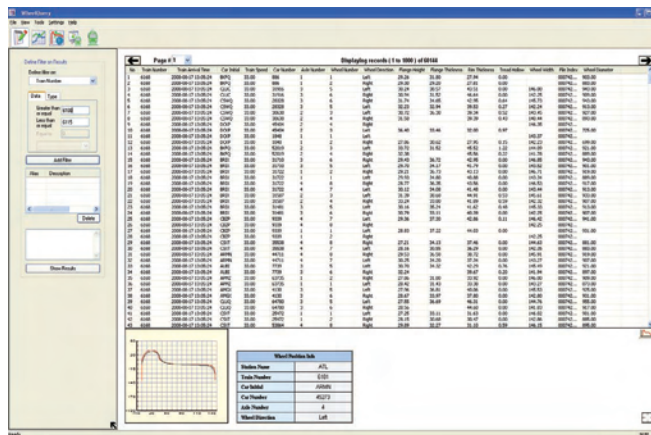
WheelView is a cost-effective system and can pay for itself in a relatively short period of time by reducing and/or eliminating costs such as derailments due to worn wheels and FRA fines for detected wheel defects. WheelView has been successfully installed in several sites worldwide with different climatic, environmental, and train traffic and load conditions. WheelView is also currently operational in one of the busiest freight corridors in the world.

WHEELVIEW SOFTWARE COMPONENTS

- Monitoring/Control Software
- Management Software
- Digital Image Acquisition/Processing
- Installation/Calibration Software
- Database/Data Search Software
- Data Interface Software
- Reporting Software

Other Wheel Evaluations

- Flange and Tread Rollover
- Grooved Tread
- Wheel Type
- Witness Groove Detection
- Wheel Diameter



TECHNICAL SPECIFICATIONS

- Complete Wheel Profile Measurement
- Speeds up to 80mph (130 kmph)
- Capable of Operating in Extreme Environments
- Operating Temperature: -40° C to 60° C
- Integrated AEI Interface
- Installed on Steel Ties
- No Track Structure Modification
- Easy Installation
- Easy Maintenance
- Air Purge System to Keep System Clean
- Remote Monitoring/Control Capability
- Automatic Report Generation
- Automatic Wheel Condition Monitoring
- Database to Save/Search/Retrieve Millions of Records

