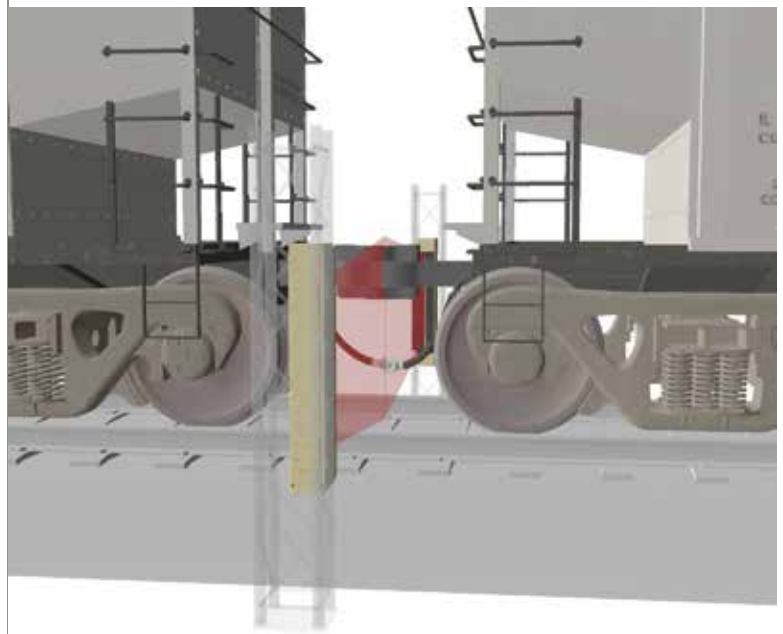




LAHView is a wayside brake air hose inspection system designed to operate on passing trains at normal track speeds. Air hose separation is one of the leading causes of train stoppage in North American freight operations. LAHView is a vision based system, which uses a high speed and high definition imaging system to provide high resolution images of every air hose arrangement for inspection and measurement. LAHView provides automated alarms based on the condition of the air hose arrangement and detects the ones that have the highest probability of separation.





Air hose arrangements and their diagnosis can be quite complicated and an automated system can benefit rail operators tremendously.

LAHView is designed to inspect many conditions of the air hose assembly and can detect defects like peaked air hose coupling, air hose height, glad hand angle, air hose angle, coupling position, etc.

#### ➤ Measurements

- Air Hose Orientation
- Air Hose Angle
- Air Hose Height from Top of Rail
- Glad Hand Angle
- Coupling: Peaked, Horizontal and U-Shaped Coupling
- Air Hose Support Inspection
- Coupler Shank Movement
- Coupler Height
- Air Hose Leak (*Acoustic option*)

#### ➤ Features

- Speeds up to 60mph (*100 km/h*)
- Operating Temperature:  $-40^{\circ}\text{C}$  to  $55^{\circ}\text{C}$
- Automatic Alarm Generation
- Installed on Trackside Towers
- No Track Structure Modification
- Easy Installation and Maintenance

#### ➤ Software Features

- Monitoring/Control Software
- System Management Software
- Digital Image Acquisition/Processing
- Calibration Software
- Web-based Database/Data Search Software
- Database Interface Software
- Automated Reporting Software
- AEI (*AVI*) Integration

