



Stationary measurement and diagnostic technology: **VPS Mobil and VPS Ring**

Every single wheel set on a freight train is exposed to high forces up to 25 t. As a result, the axle is continuously deflected. Axles are also affected by a large number of environmental influences. To ensure the operational safety of axles, checks have to be regular.

Your Benefits

- Certified intermediate testing of axles on the vehicle without removal
- Cost savings by avoiding unnecessary replacements of axles by using non-destructive testing
- Testing within 15 minutes in installed condition which leads to 50% time savings as well as saving of lead time, up to two weeks
- No paint stripping and MT test and direct UT test with varnishing

Technical Details

- Easy handling, ecological cleaning of the axles
- Capacitive tilt sensor for position-accurate testing
- Many years of experience in testing axles
- Customer-tailored adaption
- Improved mobility and flexibility by using compact test facilities compared to a stationary test bench
- 4 x 32 elements phased array probes, 2 pieces per probe holder
- User-friendly quick-release fastener with spring-loaded holder
- Propulsion by rubberized drive wheels on wetted surface
- Magnetic wheels for axial positioning
- Design-dependent spacers for transfer correction detection
- Measured values: UT Displays (A-B and C-picture)
- Accuracy: 2 mm saw cut
- Technology: Phased Array ultrasonic testing