



**APPLICATIONS**

WHEEL SET

**DETECTION EQUIPMENT AND MONITORING OF TREAD CONDITION**

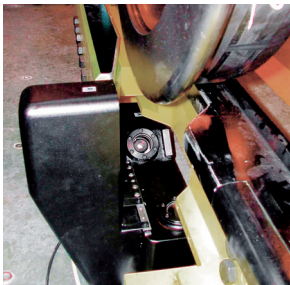
DANOBATGROUP manufactures powerful equipment installed on the track for monitoring the condition of the tread, either with the train running on the track or when the train is stopped

These are powerful tools for predictive and preventive maintenance:

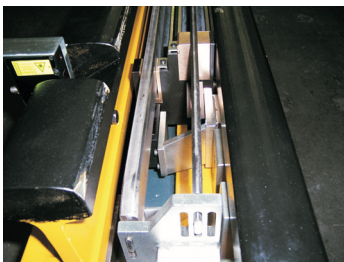
- Wheel geometry measurement
- Wheel Ovalling Measurement
- Shunting measurement
- Detection of surface defects
- Detection of cracks in wheel rim and flange



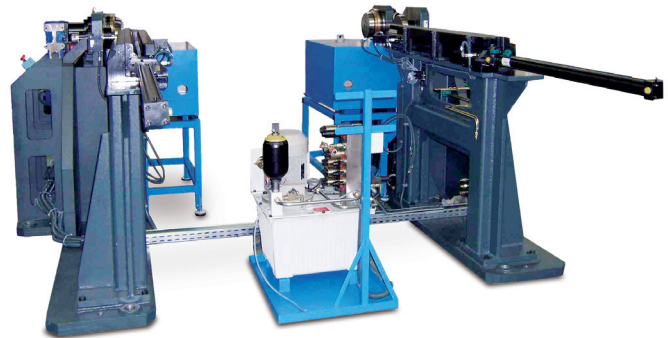
Shunting / Geometry /  
Roundedness / Surface Defects



Wheel Geometry



Roundedness



Detection of cracks in wheel rim and flange

**TECHNICAL CHARACTERISTICS**

- Use of state-of-the-art laser technology
- Detection of cracks and defects with multidirectional ultrasound technology
- Minimal construction work required in all cases
- Variable running speed for equipment installed on track
- Powerful software packages for data interpretation and storage
- Tools for statistical treatment of data (Predictive and preventive maintenance)

**REFERENCES**

- RENFE (Spain)
- METRO DE MADRID (Spain)
- CAF (Spain)
- TRANVIA VELEZ MALAGA (Spain)
- EUSKOTREN (Spain)
- METRO DO PORTO (Portugal)
- DELHIEXPRESS (India)
- TRANVIA ANTALYA (Turkey)
- SUBURBANO DE MEXICO (Mexico)
- SUBTERRANEO BUENOS AIRES (Argentina)
- METRO SEVILLA (Spain)
- TRANVIA DE RABAT (Morocco)

