

RAIL MEASURING TECHNOLOGY
WHEN ACCURATE MEASUREMENTS MATTER



RDDtrain

RDD train deployment system
Multifunctional guided inspection system for RCF detection, Rail wear and profile, corrugation, accoustic roughness or QI measurements. Suitable for mounting on rail vehicles (bogies) and hi-rail vehicles

Product description:

Some rail inspection technologies require rail guidance for optimized accuracy and repeatability. Especially inspection technologies for measuring rail surface defects, rail wear and profile, acoustic roughness and rail surface roughness (QI) achieve such high accuracy if sensors continuously measure on the exact same location/position on the rail head. The RDD train deployment system is a guided trolley which can be lowered and lifted on to the rail and can run at speeds of up to 25kph.

It can be used for deploying eddy current sensors or high-resolution optical distance sensors to measure acoustic roughness and QI. Depending on the requirements multiple inspection technologies can be implemented within the RDD train deployment system.

Applications:

- Monitoring of rail quality
- Detection of rail roughness and corrugation
- Detection and classification of both short and long waves
- Assessment of mobile rail treatment results e.g. rail grinding and milling to EN 13231 standards
- Rail wear and profile assessment
- Rail surface defects (RCF)
- Assessment of the rail Quality index (QI values)

Main characteristics:

- Measurements that are highly accurate and repeatable
- Suitable for installation on trains (bogies)
- Suitable for installation of Hi-Rail vehicles
- Suitable for any track gauge
- User-friendly software for acquisition and review of measurement data
- Robust yet light weight design
- Extensive product support

