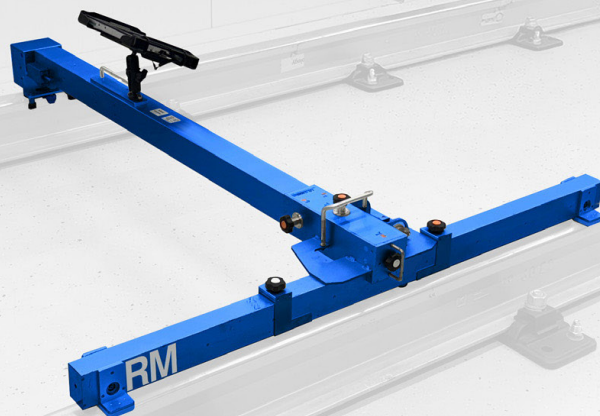


RAIL MEASURING TECHNOLOGY
WHEN ACCURATE MEASUREMENTS MATTER



TrackGeo

Trolley

TrackGeo Trolley

High Accuracy continuous railway track geometry measuring trolley for efficiently measuring longitudinal level, alignment, cross-level, twist and customized chord length for versine assessment. Suitable for use on tracks and turnouts, vignola and embedded tram rails

Product description:

Track geometry irregularities refer to deviations in track parameters such as longitudinal level, alignment, gauge, cross-level, and twist, and can influence vehicle-track dynamic interactions, permissible operating speeds, maintenance requirements, and overall system safety.

The novel lightweight Track Geometry (Track Geo) trolley can measure these track geometry parameters in compliance with EN 13848-4, with much higher accuracy than the standard requirements. The system can be operated manually at walking speed or towed behind a vehicle at speeds of up to 25 km/h, depending on the track condition.

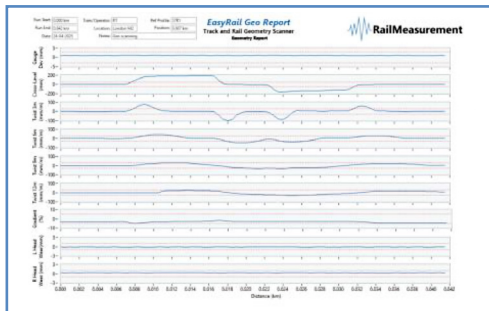
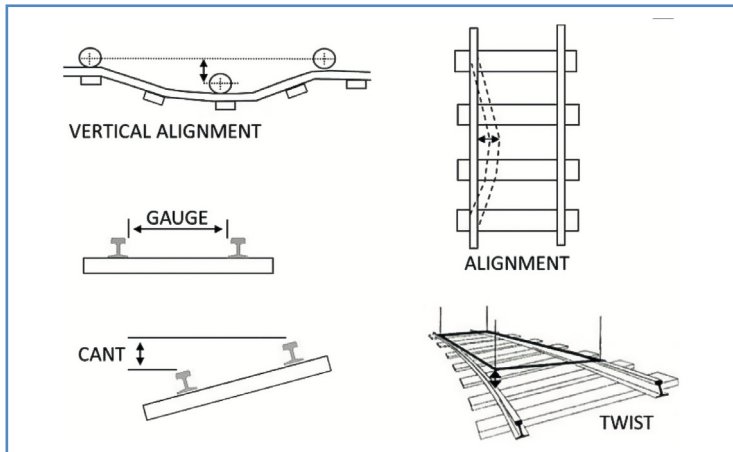
The multi-gauge TrackGeo trolley can operate on both vignola rails and grooved rails, and with a turnout adaptor, it can pass through switches and crossings.

Applications:

- Measuring track geometry parameters
- Monitoring of track quality
- Customized chord length for versine assessment
- Visual assessment of track condition

Main characteristics:

- Measurements that are highly accurate and repeatable
- Suitable for any track gauge and can be used on tracks and turnouts
- Relatively simple installation and setup
- User-friendly software for acquisition and review of measurement data
- Operation through notebook or tablet-pc
- Robust yet light weight design
- Extensive product support



The Track Geo gives reliable and highly accurate track geometry measurement results with all the parameters as per EN13848-4

TECHNICAL DATA TrackGeo trolley

Interval at which data are saved	0.25mm
Measuring speed	Walking speed 0-10kph Towed up to 18kph (depending on track condition)
Parameters	Longitudinal level & alignment (1.25–50 m or versine 2–20 m) Gauge Cross level Twist (2–20 m base length)
Accuracy	Longitudinal level & alignment: 10 m versine: ±0.15 mm D1: ±0.2 mm Gauge: ±0.2mm Cross level: ±0.5mm Twist: ± 0.2mm
Operating temperature	–10°C to 50°C
Output compatibility	EN13848-4 2023
Dimensions and weight of trolley	1701.5 x 1368 x 228 mm ~14kg
Weight	Approx 25kg