TrackMaster - The High Speed Rail Inspection System

Modern railroads face increased traffic, heavier loads, higher traveling speeds and longer travelling distances. It is therefore essential to maintain tight monitoring of rail integrity to ensure the global safety of the tracks.

TrackMaster, the new high-speed ultrasonic rail inspection system, with its advanced technology and features, meets this challenge.
TrackMaster, the newest addition to ScanMaster’s rail inspection product line, draws on the success of the well known SFB-100 model. With its flexible sled-based structure, TrackMaster’s universal, high-performance system can be integrated with any service rail bound vehicle for simultaneous inspection of both rails at speeds of up to 90 km/hr. This high-speed rail inspection reduces overall inspection cost and can be performed without disrupting the scheduled traffic on the track.

The inspection system includes real-time detection and recording of flaws, as well as a complete record of the data collected and the setup used. These records can be used to establish a baseline for comparative periodic monitoring of the rail condition.

A compact sled-type probe holder enables TrackMaster to host configurations of different ultrasonic probes for maximum coverage of the rail profile.

**TrackMaster features include:**

- Real time presentation of A and B scans
- Real time rail height monitoring
- Automatic defect recognition and categorization
- Innovative sled structure designed for minimal water consumption without compromising UT performance
- Automatic ultrasonic setup adjustment per rail type
- Automatic centering of the transducer head
- Easy operation and full control by a single operator
- Integrated DGPS for precise defect localization
- Customized report generator