

TrackSTAR® Hi-Rail Track Testing Vehicles

Plan your maintenance more effectively with our comprehensive assessment.

Track Gauge Strength Measurement

Holland's patented Split-Load-Axle technology allows accurate track gauge strength assessment in support of exception reporting, performance-based tie replacement planning, and GRMS waiver track analysis. Through laser-based optical measurement of track gauge at both an unloaded point and at the load axle, TrackSTAR® provides unparalleled analysis of reserve gauge strength against lateral train forces. These measurements are used to calculate critical gauge strength parameters such as Gauge Widening Projection (GWP) and Projected Loaded Gauge (PLG).

Track Geometry Measurement

TrackSTAR® utilizes data from non-contact optical and inertial-based technologies to deliver accurate measurements for all standard track geometry parameters including curvature, crosslevel, left and right alignment, left and right surface, twist and warp. Holland can also implement customer-specified derived geometry channels and exception calculations upon request.

Rail Wear (Profile) Measurement & Rail Cant

Laser-based optic technology is used to measure the visible surface of the rail for vertical and gauge-face wear, gauge-face angle, head-loss, lip and much more. Accurate measurements taken over time/tonnage allow effective long-term rail replacement planning. Foot-by-foot rail cant is also measured under dedicated lateral load in support of FRA 213.234 regulations regarding concrete tie inspection for rail seat deterioration.



Data Analysis Software

Holland's Rangepcam Reporting Software can import geometry, track strength, rail profile and exception data from multiple sources, including TrackSTAR vehicles and railroad geometry cars. This powerful analysis tool allows a user to maximize the usefulness of their data. From overlaying data to unique reporting capabilities and in-depth tie and rail maintenance planning features, Rangepcam revolutionizes the interpretation of track inspection data to extract maximum value.

**A Solutions Partnership
Unlike Any Other**

Call 708.672.2300 or Visit hollandco.com