

Track Inspection Services



Track Geometry Measurement System

Comprehensive track condition assessment services delivered using advanced non-contact inspection solutions

ENSCO, Inc. has been a worldwide leader in the provision of track inspection products for nearly four decades. ENSCO's customers have access to the most knowledgeable operators, data analysts and support personnel in the industry. Full capability testing services are offered using both ENSCO's portable systems that can be mounted on virtually any rail vehicle, or its fleet of instrumented hi-rail vehicles.

As new demands are placed on growing infrastructure, the rail industry must understand the state of its track assets. ENSCO provides expertise, equipment, and manpower to perform track asset inventory, inspect existing track conditions and evaluate the effectiveness of track construction, rehabilitation and maintenance. ENSCO has the capacity to provide quantified results for regulatory and safety compliance, strategic inputs to track maintenance and upgrade program planning, as well as the most efficient approaches available to the industry.

Track Geometry Measurement Services

ENSCO provides track geometry measurements using its fleet of instrumented hi-rail vehicles or equipment installed on customer railcars, producing measurements under true dynamic loads. Optional inspection services include those focused on quantifying ride quality and locating rail impacts. Reports provide exact locations of exceptions to the latest track regulatory or maintenance standards as well as continuous evaluation of track at one foot/.25 m intervals to facilitate long term trend analysis. The results can be used for immediate track maintenance plans as well as long range planning to upgrade lines to higher speeds.

Rail Profile Measurement Services

Rail profiles collected simultaneously with track geometry measurements provide rail wear and cant measurements at one foot/.25m intervals. These results can be used to immediately identify safety risks due to excessive wear or cant, to develop optimized wheel/



ENSCO's Rail Profile Measurement Service provides critical information for rail grinding and replacement programs.

