

# Detecting a trend

Suppliers offer an array of maintenance-of-way detection equipment — from rail-flaw detection to ride performance assessment to rail cant and clearance measurement to high-speed tribometers and automated inspection systems

## Messing Systems Inc.

Messing Systems Inc. is a leading provider of maintenance-of-way detection equipment. The company's products are designed to detect and measure a wide range of track and vehicle abnormalities, including rail head defects, track geometry, and vehicle-to-track clearance. The company's equipment is used by railroads and maintenance-of-way contractors to identify and correct problems before they become safety hazards.

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## dFuzion Inc.

dFuzion's rMetrix® is a ride performance assessment system that measures, stores, analyzes and displays ride quality, ride comfort and vehicle/track interaction data. Incorporating advanced Global Positioning System (GPS) and accelerometer sensors with an easy-to-use control software interface, rMetrix is "effective in assessing maintenance activities and safety in real-time, in accordance with worldwide track safety standards," the company says. Designed for the individual inspector as well as organizations, rMetrix runs on a standard laptop, meaning inspections can be performed at any time and on any vehicle — eliminating the logistics and costs associated with dedicated test vehicles or permanently affixed sensors, the company says.

rMetrix-A is an autonomous, compact and portable version of rMetrix, and is designed for organizations that need to continually monitor ride quality, and track and vehicle safety conditions with limited inspectors or resources. Using rMetrix-A for continuous track inspection activities affords "rapid identification and prioritization of locations for corrective and preventive maintenance, as well as the detection

of vehicle and track abnormalities that may impact passenger comfort, cargo integrity, equipment reliability and operational safety," the company says.

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