

One Pass Ultrasonic Rail Inspection System



Key Features

The One Pass - Rail Inspection System includes the following key features:

- Portable ten-channel digital ultrasonic flaw detector, including:
 - Full digital signal processing
 - A- and B-scan displays
 - GPS tagging capabilities
- Nordco XL-9-11 wheel probe technology
- Couplant delivery system, including:
 - Integrated water tank with distribution hoses
 - Hose quick disconnect to/from the trolley for easy filling and refilling
- Rail testing trolley, including:
 - Guide wheel to align test wheel to center of rail
 - Connection cables to all probes
 - Gripper handle for single-handed operation
 - Encoder

Complete single-rail inspection with a single pass.



One Pass - Ultrasonic Rail Inspection System

Inspects in a single pass

The One Pass rail inspection system performs a full ultrasonic inspection on a single rail with only one pass over the rail. The system features a portable multi-channel digital ultrasonic flaw detector with both A- and B-scan display options. Optional GPS allows for recording of defect location by mile pole.

Wheel probe technology designed for rail

The One Pass rail inspection system uses Nordco's exclusive, patented wheel probe technology designed specifically to perform ultrasound testing on rail. The XL9-11 wheel probe includes eleven inspection probes:

- One zero-degree crystal for both **web coverage** and **base detection**
- One 45-degree forward-facing crystal and one 45-degree rear-facing crystal for **full rail web coverage**
- Three 70-degree forward-facing crystals (field, center, and gage) and three 70-degree rear-facing crystals, (field, center, and gage) for **full head coverage**
- One side-looking field crystal and one side-looking gage crystal for **longitudinal cross-rail coverage**

This comprehensive probe array means your operator only has to walk the rail once, while evaluating all rail angles at the same time.

Record your test results

Test results are fully recordable, meaning you can store, evaluate, and compare results at a later time. Easily maneuverable due to its small size and weight, the system is ideal for plug rail testing as well as for yard tracks, frogs, and switches.



Use your smartphone to scan this code for more information.



The integrated display includes A-scan and B-scan options; real-time data processing shows results immediately.

The One Pass system, with its small footprint, is light, easy to transport, and completely portable.



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