SPERRY

*A Higher Level of Reliability*

# *Sperry B-Scan Dual Rail Inspection System*

For superior technology, training, and reporting, the solution is Sperry.

**Sperry Rail Service**

**a Rockwood Company**

SPERRY

An innovative force in rail flaw detection for over 80 years, Sperry delivers complete solutions that provide reliable, cost-effective, and accurate results. Our new B-Scan Dual Rail Inspection System offers the latest advances in rail flaw detection technology, plus an auditable record of test.

# All the features of hi-rail and railbound systems in a portable package.

Sperry's B-Scan Dual Rail Inspection Systems are fully calibrated, multi-channel inspection systems. Our Dual Rail Inspection Systems incorporate Sperry's B-Scan Flaw Detector technology and deliver reliable, repeatable results with every test.

## FEATURES INCLUDE:

### Test two rails at once.

Our B-Scan Dual Rail Inspection Systems allow a single operator to test two rails at the same time, improving testing efficiency and cost-effectiveness.

### A complete, auditable record of test.

Sperry's B-Scan Dual Rail Inspection Systems record all test data including defect details, landmarks, GPS trail, rail features and sensitivity.

### Comprehensive position tracking.

Sperry's B-Scan Dual Rail Inspection Systems incorporate tracking technology that supplies location information during testing and for post-test reporting:

- **GPS receiver for constant GPS display and breadcrumb trail.**
- **Milepost monitor for milepost records.**
- **Master track file-based track ID information.**
- **Pedometer function for measuring local distances.**

### Compatible with numerous Sperry RSUs.

- **UX-9 features nine discrete transducers all in one RSU.**
- **X-Fire improves detection of detail fractures in less than optimal rail conditions.**
- **VSH improves detection of Vertical Split Heads.**

## Powerful real-time data analysis, customizable to local conditions.

Sperry's B-Scan Dual Rail Inspection Systems feature customizable alarm settings with user-definable thresholds including object length, depth, and amplitude. In addition, the operator can either mark objects as defects in a stop and verify mode or record a complete pass over a track for off-line analysis.

## Display multiple ultrasonic views.

Sperry's B-Scan Dual Rail Inspection Systems provide the user with B-Scan, A-Scan, and Echo-Dynamic display options, allowing the operator to generate different ultrasonic views of the rail. Plus, our screen capture function allows the operator to save critical screen and location images for a more complete picture of suspected flaws.

## Track gauge measurement.

Sperry's B-Scan Dual Rail Inspection Systems include an audible alarm that sounds whenever the rail gauge falls outside railroad-defined tolerance levels. The Systems support narrow, standard, and broad gauge.

## Compatibility with all Sperry inspection vehicles.

Sperry's B-Scan Dual Rail Inspection Systems are fully compatible with Sperry's range of inspection vehicles and deliver data in the same format, allowing seamless comparison and full use of our off-line analysis services.

## Ease of operation.

We designed the B-Scan Dual Rail Inspection Systems with extensive input from experienced rail inspection operators to ensure ease of operation and convenience:

- The user interface employs intuitive touch screen controls that simplify configuration and operation. In addition, the operator can tilt the display monitor to provide a clear view of the screen during hand tests.
- An extra channel enables manual inspection with standard ultrasonic hand probes for final verification.
- An integrated SIM Card-based GSM/GPRS module allows the operator to transfer test results back to base for audit reviews and data storage.
- Data can be copied to other computer devices through the integrated USB and Ethernet ports.
- Various guide wheel options are available for different conditions and rail structures.

# Comprehensive services deliver a total solution.

## Customer training programs at the Sperry School of Rail Testing.

The Sperry School offers an extensive range of rail testing courses lead by a certified ASNT Level III instructor. Students receive in-depth, hands-on training that meets ASNT certification guidelines. Our state-of-the-art facility includes a rail sample library, training vehicle, simulation room, and test track.

## Online access and flexible reporting capabilities.

Sperry is the first to offer secure web-enabled access to your test results online, anytime. Customized reporting capabilities let you format the data according to your specific criteria.

## Dedicated field management.

A dedicated field manager with significant experience in rail testing supervises all Dual Rail Inspection System deployment and crew activity.

## Quality assurance program.

Sperry employs a dedicated team to monitor quality assurance and system integrity. Operators upload recorded test data daily to our Quality Management Group where it undergoes a stringent quality audit review process.

## Safety Management System (SMS).

We implement our proprietary Safety Management System at every level of our organization without exception. Improving operator and crew safety is at the forefront of every decision we make.

For more information on Sperry's B-Scan Dual Rail Inspection Systems, or any Sperry solution, visit www.sperryrail.com or contact one of our offices:


### North America:

46 Shelter Rock Road
Danbury, CT 06810
U.S.A.

Main: +1.203.791.4500
Fax: +1.203.797.8417

### Europe:

Trent House
RTC Business Park
London Road
Derby, DE24 8UP
United Kingdom
Main: +44 (0)1332 262 565


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**www.sperryrail.com**

+1.203.791.4500


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