SPERRY

A Higher Level of Reliability

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

Sperry Rail Service

a Rockwood Company

For over 80 years, Sperry has been an innovative force in rail flaw detection. For us, serving our customers embodies more than supplying the most advanced technology in the industry: it is about providing a total solution that offers our customers a more cost-effective, time-efficient way to operate.

Through continuous development and the expertise of the highest trained workforce in the industry, we help railroads around the world maximize productivity and safety. From heavy haul networks to metropolitan systems, Sperry sets the standard for industry inspection techniques.

SPERRY 360° TECHNOLOGY

Sperry offers several technologies that together add up to one powerful, full-coverage solution. Improve testing efficiency while making better decisions with Sperry 360°.

X-Fire

Detects 30% more transverse defects than standard ultrasonics alone

Induction

Increases the detection of potentially catastrophic flaws by 5%

Standard Ultrasonics

Comprehensive head, web, and central base coverage

X-Fire

The latest innovation from Sperry, our exclusive X-Fire technology uncovers difficult to find defects before they become a liability. The obliquely angled probes call out flaws that are difficult to find with standard ultrasonics alone, such as reverse detail fractures and transverse defects. X-Fire's ability to locate defects in spite of certain surface conditions such as head checking, shells, and worn rail profile is the most advanced available today.

Induction

Sperry's induction technology accurately uncovers potentially catastrophic defects in the head of the rail such as transverse defects and vertical split heads. Our induction technology is more tolerant of lateral position and surface anomalies such as grease than any other testing method.

Standard Ultrasonics

For full head to base coverage, we apply ultrasonics via our Roller Search Units (RSUs). Sperry RSUs ensure uniform and constant contact with the rail, even when applied to less than perfect rail conditions, ensuring higher defect-detection ratios.

We teach our employees – and yours – everything we know.

We founded the Sperry School to give our employees and customers unprecedented access to our depth of knowledge and an opportunity to learn from recognized experts in the field. Optimize your operations by matching your expertise to ours.

- Developed and lead by a Level III certified instructor with over 40 years experience.
- Over 90% of our graduates earn Level II certification.
- Class sizes limited to 6-8 students to ensure individual attention.
- Hands-on training using hand units and other inspection tools.
- State-of-the-art facility includes a rail sample library, simulation room, complete inspection vehicle, and test track.

Courses offered include:

Level I Rail Testing, Level II Rail Testing, Hand Testing, Portable Rail Flaw Detectors, Gates & Gains, B-Scan Interpretation, Test System Familiarization, Roller Search Unit (RSU) Maintenance, Induction Testing, Personnel Qualification & Certification, 10-week Chief Operator Class. Customized programs also available.

"The Sperry School did a terrific job educating our employees on all facets of rail flaw detection. The hands-on training in the lab and on the test track helped us make better decisions in real life situations, ultimately reducing inspection time and saving money for our organization."

Al Mauldin, Engineer - Rail Testing, Norfolk Southern

Our state-of-the-art fleet management center keeps you in constant contact.

We monitor our fleet continuously for optimal performance and customer satisfaction. Reduce service interruptions and stay informed with Sperry.

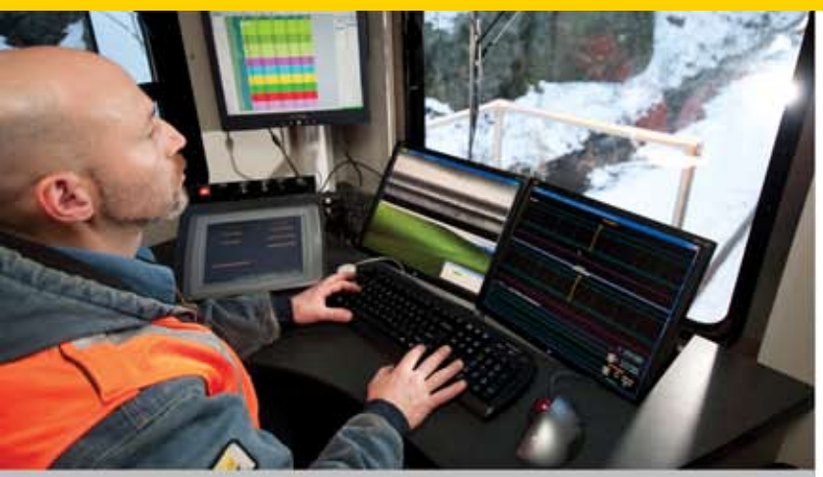
Use your data more effectively.

Customized reporting capabilities and convenient access allow you to do more with your data. Sperry is the first to offer secure web-enabled access to your test results anytime.

Highlights of the Sperry Data Management System (SDMS) include:

- Monitor and predict future maintenance needs.
- Compatible with most ERP systems.
- Extensive data warehousing capability.
- Seamless integration with PDA-based devices.
- Customer-configurable reporting.
- Integration with GIS services.

Sperry is synonymous with safety.



Dedicated field management.
A dedicated field manager with significant experience in rail testing and management supervises all equipment deployment and crew activity.

Quality assurance program.
Sperry employs a dedicated team to provide 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).
Our proprietary Safety Management System is implemented at every level of our organization without exception. Improving operator and crew safety is at the forefront of every decision we make.

A rich heritage that keeps pushing us forward.

In 1928, Dr. Elmer Sperry invented rail testing by developing the world's first non-destructive method of detecting internal life-threatening defects in rail by applying induction techniques, saving countless lives in the process. The Sperry "Rail Defect Manual", first published in 1934 and continually updated, is considered the de facto authority on rail testing. His prowess made him one of the most prolific inventors in America, second only to Thomas Edison, amassing over 400 patents in his lifetime. Dr. Sperry's dedication to precision through improvement and service underscores everything we do today.

Sperry dominates the industry in rail flaw detection services and technology.

B-Scan Single Rail Walking Stick

Our services and products combine to give you an edge in rail flaw detection.
We uncover more defects per mile by successfully integrating timesaving services and techniques with products featuring state-of-the-art technology. All delivered by the highest-trained team in the industry - both on the rails, and behind the scenes.

SERVICES

Turnkey Rail Flaw Detection Programs

- Stop & Verify Programs
- Non-Stop Testing Programs

Ultrasonic Training and Certifications

Data Management with secure online access

Service Failure Investigations

Quality and Audit Programs

PRODUCTS

Portable Equipment
A-Scan Single Rail Walking Stick
A-Scan Dual Rail Walking Stick
B-Scan Flaw Detector Single Rail Walking Stick
B-Scan Flaw Detector Dual Rail Walking Stick
B-Scan Flaw Detector Trolley

Hi-Rail Equipment
450 Series
950 Series

Railbound Equipment
100 Series
Self-Propelled Vehicles
Non-Powered Vehicles
Multi-Function Vehicles

What we mean by "A Higher Level of Reliability".

A Higher Level of Reliability is more than just a statement – it is a core belief that pervades every aspect of our corporate culture. For over eighty years, our mission has been to provide reliable, repeatable service – for every client, everywhere, every day. We strive to exceed our client's expectations while providing a safe working environment, maintaining the highest industry standards, and respecting the dignity of every employee.

- Our mission is to provide reliable, repeatable service.
- Our commitment is to employ the best resources, technology, and methods available today.
- Our investment in quality, service, and efficiency comes from our focus on discipline, exceeding client expectations, and continuous improvement that drives productivity.
- Our corporate culture is defined by three principles: safety and the knowledge that all incidents are preventable; the integrity that comes from always doing the right thing; and a passion for our work and its contribution to society at large.

For more information on Sperry solutions, please visit www.sperryrail.com or contact one of our offices:

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SPERRY

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Mixed Sources
Product group from well-managed forests, controlled sources and recycled wood or fiber
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