Manufacturer of Cold Aisle Remote Monitoring System for Spiral Wound Pipes



Overview

Take advantage of wireless remote condition monitoring technology to help manage energy infrastructure including pipeline integrity, processing and storage facilities.

Key Takeaways

Key manufacturers offering remote monitoring solutions for spiral-wound pipes include SEKISUI Rib Loc Australia, Intralox, Ashworth, and ScanMaster.

SEKISU

I Rib Loc AustraliaSEKISUI Rib Loc Australia Pty Ltd specializes in spirally wound pipe technologies and has a long history of developing pipe rehabilitation and monitoring solutions. Their systems are designed for pipeline infrastructure management and can be integrated with remote monitoring technologies to track pipe performance and integrity across installations worldwide. They provide turnkey solutions for spirally wound pipes, including installation, inspection, and ongoing monitoring.

Intralox

Intralox offers remote spiral monitoring through its patented IntraloxIntelligence system. While primarily focused on spiral conveyors in food processing, the technology demonstrates the capability of sensor-based remote monitoring along spiral paths, capturing temperature, tension, and operational data in real time. This approach can be adapted for spiral-wound pipe systems in industrial applications where continuous monitoring is critical.

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Ashworth

Ashworth provides the SmartSpiral® Monitoring System, which enables real-time remote monitoring of multiple spiral systems. The system alerts engineers to potential failures, tracks operational parameters, and supports maintenance planning. Although designed for conveyor spirals, the technology illustrates the type of remote monitoring solutions applicable to spiral-wound pipe systems, particularly for predictive maintenance and operational efficiency.

ScanMasterScanMaster delivers ultrasonic inspection systems for Spiral Submerged Arc Welded (H-SAW) pipes, including online and offline inspection of welds, pipe bodies, and heat-affected zones. Their systems can be integrated with remote monitoring platforms to provide continuous quality control and defect detection for spiral-wound pipes, ensuring structural integrity and compliance with industry standards.

Summary

For cold aisle remote monitoring of spiral-wound pipes, companies like SEKISUI Rib Loc Australia provide specialized spiral pipe solutions, while Intralox, Ashworth, and ScanMaster offer remote monitoring and inspection technologies that can be adapted for spiral-wound pipe applications. These systems enable real-time data collection, predictive maintenance, and operational optimization, making them suitable for industrial pipeline management.

Article Content

Wireless Pipeline Monitorings | Senceive

Take advantage of wireless remote condition monitoring technology to help manage energy infrastructure including pipeline integrity, processing and storage facilities.

Spiral pipe plant (SSAW)

Our SSAW plants and machinery are available for the production of spiral pipes by the conventional 1-stage process as well as the 2-stage process – also known as

SPIRAL WOUND PVC PIPES FROM NORDITUBE

NordiTube is not only the technology provider for CIPP products, but also for special spiral wound pipe systems that are used for gravity and low-pressure pipes.

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The unit (D) may simultaneously monitor the production and finishing processes on several separate production lines, with light and sound alarms.

Digital Pipeline Integrity with Spiral Wound Pipe

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Outputs from the spiral wound optical fibre windings have been analysed using DAS (Distributed Acoustic Sensor) electronics. These outputs enable a healthy pipe pattern to be

Spiral Wound Lining: A Sustainable and Trenchless

Discover spiral wound lining, a sustainable, trenchless pipe rehab method with minimal disturbance. Learn its benefits, challenges, and future

Future Trends in Spiral Pipe Mills: What You Need to Know

Modern spiral pipe mills leverage IoT-enabled cloud platforms to monitor energy consumption, production rates, and equipment health in real time. Operators can adjust parameters like spiral pitch

Rehabilitation with spiral wound pipe lining

Rehabilitation with spiral wound pipe lining consists in putting a winding machine into the host pipeline (or manhole) and the feeding of the lining material which is an appropriately profiled plastic strip.

Nordilock

With the machine positioned in the shaft, the spirally wound pipe is wound into the host pipe with a smaller diameter than the old pipe. Then, depending on the static requirements, the annular gap is

Spiral pipes made of PE and PP

Spiral pipes made of PE and PP have proven themselves over many years for tank and apparatus construction, as well as ventilation technology. FRANK spiral pipes are of high quality and offer the

Spiral pipe plant (SSAW)

SSAW Spiral Pipe Plant produce driven and water tubes as well as oil and gas pipes from coiled, hot rolled steel strip. The pipes range in diameter from 15 to 100

Hot & Cold Aisle Containment Systems For Data

Built for Efficiency Cool Shield™ Aisle Containment Solutions Cool Shield''s aisle containment solutions feature a comprehensive solution widely used by critical

Spirally Wound Lining | Springer Nature Link

This chapter introduces the spirally wound lining method. It includes the application range of this method, how to design the construction when using spirally wound lining method to

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IoT based Cold Storage Monitoring System

Cold storage facilities are an important part of temperature sensitive goods such as food, pharmaceuticals, and chemicals. However, maintaining accurate environmental conditions is not an

Spiral wound membranes for membrane filtration | Alfa

A wide range of full-fit, sanitary spiral membranes for reverse osmosis (RO), nanofiltration (NF), ultrafiltration (UF) and microfiltration (MF) efficiently recover,

Cold Storage Monitoring System – 24/7 Automated Monitoring

The Cold Storage Monitoring System industry is dedicated to safeguarding temperature-sensitive products in cold storage facilities. Using advanced GPS sensor technology and real-time data

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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