



OPTIMIZE PERFORMANCE WITH SMART TECHNOLOGY

Real-time insights for reliability, efficiency
and predictive maintenance

ANDRITZ

What is ANDRITZ SMART Technology?

ANDRITZ SMART™ Technology is an intelligent monitoring system designed to give real-time visibility into your machine performance and mechanical reliability. This innovative solution helps increase uptime, optimize production and prevent unplanned shutdowns through the use of advanced analytics and predictive maintenance.

SMART Technology initially began with SMART Roll, our nip monitoring system, which delivers precise real-time data on nip profiles and pressing performance. Building on this success, we introduced SMART Seal, which provides insights into suction roll seal strips and internal bearing conditions to detect early signs of wear and prevent failures.

As the only paper industry supplier offering this level of real-time monitoring, ANDRITZ continues to expand the SMART Technology suite to empower you with the data-driven insights needed to optimize production.

How it works and why it matters

Embedded sensors monitor machine components in real-time to improve performance and reliability

Reduces downtime by predicting maintenance needs before failures occur

Optimizes production efficiency, allowing for faster speeds and higher output

Exclusive to ANDRITZ – no competitor offers a comparable solution

The pillars of ANDRITZ SMART technology

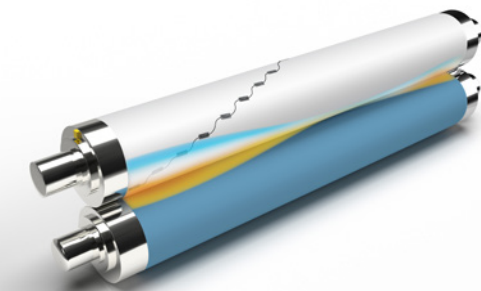
SMART ROLL NIP MONITORING

SMART roll is a foundational element of the SMART Technology, designed to give real-time visibility into nip pressure and pressing efficiency. As the first innovation within SMART Technology, SMART Roll set the standard for data-driven decision making in paper production.

With dynamic monitoring and analytics, SMART Roll enables papermakers to maintain consistent nip conditions, reduce downtime and maximize production efficiency. It seamlessly integrates with Rezolve, ANDRITZ's advanced analytics program, to further optimize machine performance.

BENEFITS

- Monitors nip pressure and uniformity across the machine
- Works with Rezolve for enhanced analytics and optimization
- Helps increase production speed and efficiency



Real-time monitoring of nip pressure and uniformity

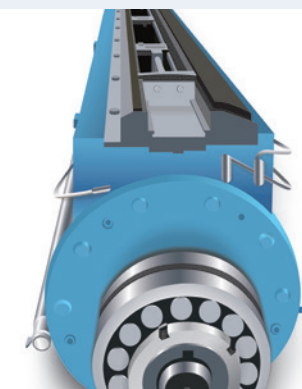
SMART SEAL SUCTION ROLL MONITORING

SMART Seal is the latest innovation in the ANDRITZ SMART Technology program, extending the power of real-time monitoring beyond nip pressure to suction roll seal strips and internal bearings. While SMART Roll focuses on production efficiency, SMART Seal is designed for predictive maintenance, allowing maintenance teams to anticipate and prevent failures before they occur.

As an essential tool for machine reliability, SMART Seal proactively tracks component wear to reduce unexpected breakdowns and extend equipment lifespan.

BENEFITS

- Monitors seal strip and internal bearing conditions
- Alerts maintenance teams to potential failures before they occur
- Enables predictive maintenance, minimizing costly shutdowns

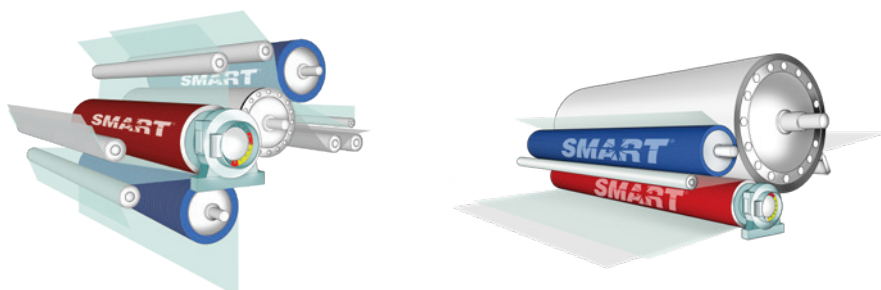


Monitoring of suction roll seal strips and internal bearings



ANDRITZ SMART TECHNOLOGY

This technology gives you the power of real-time intelligence for optimized machine performance and reliability. Ready to take your production to the next level?



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