



# SMART SEAL INTELLIGENT SUCTION ROLL MONITORING

Improve roll reliability and enable  
predictive maintenance

## WHAT IS SMART SEAL?

Our ANDRITZ SMART™ Seal is a cutting-edge monitoring system for suction roll seal strips and internal bearings, designed to detect wear and predict potential failures before they happen. This technology ensures

reliable machine performance and reduces costly unplanned shutdowns. With SMART Seal, papermakers can gain insights on internal bearing conditions for proactive maintenance and monitor seal strip performance to identify degradation and predict end

of service life. This data-driven tool delivers valuable knowledge of the internal workings of the suction roll, helping to prevent unexpected breakdowns and optimize repair schedules.

**ANDRITZ**

# Achieve maximum uptime with SMART Seal

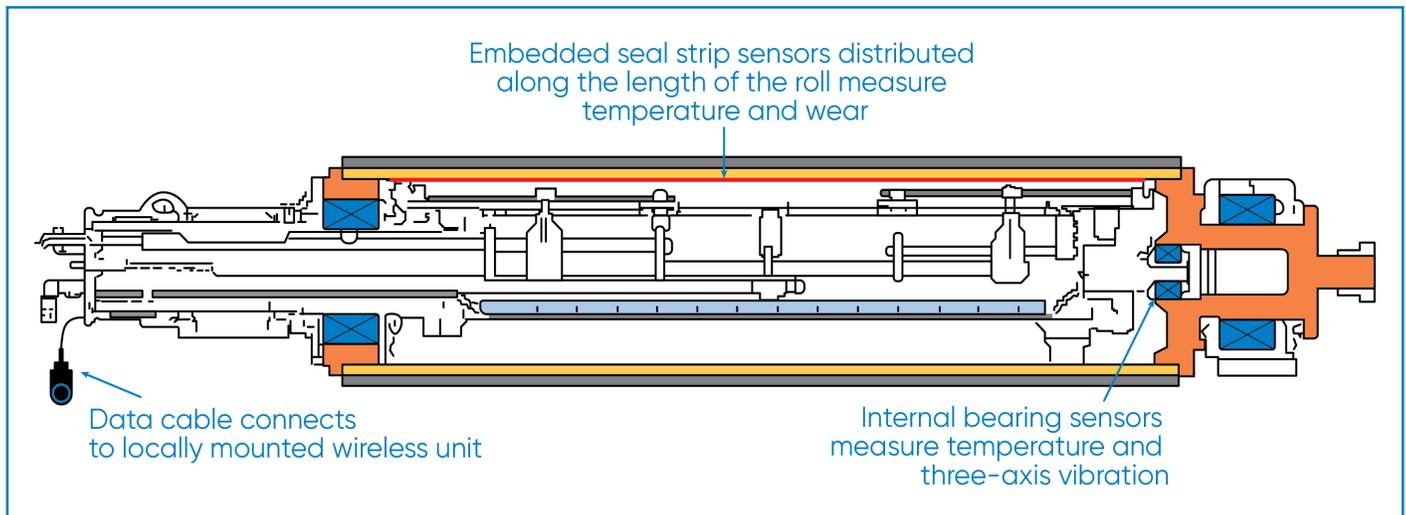
SMART Seal monitors suction roll seal strip wear and temperature in tandem with internal bearing vibration and temperature. Sensors are fully embedded within the seal strips, and data is transmitted through a low voltage connector at the end of the suction roll. The system provides real-time alerts to

maintenance teams, enabling best practices in proactive maintenance.

This comprehensive monitoring technology provides critical insights that enable longer run times between maintenance intervals. With SMART Seal, papermakers achieve continuous, smooth production.

## BENEFITS

- Minimizes unexpected downtime
- Extends component life
- Improves operational efficiency
- Boosts tangible savings



Suction roll with SMART Seal technology

## NORTH AMERICA

p: +1 919 562 5867  
afr-na@andritz.com

[ANDRITZ.COM](https://www.andritz.com)

# ANDRITZ



\*Trademark of the ANDRITZ GROUP. For information regarding ownership and countries of registration, please visit [andritz.com/trademarks](https://www.andritz.com/trademarks). All data, information, statements, photographs and graphic illustrations in this leaflet are without any obligation and raise no liabilities to or form part of any sales contracts of ANDRITZ AG or any affiliates for equipment and/or systems referred to herein. © ANDRITZ AG 2025. All rights reserved. No part of this copyrighted work may be reproduced, modified or distributed in any form or by any means, or stored in any database or retrieval system, without the prior written permission of ANDRITZ AG or its affiliates. Any such unauthorized use for any purpose is a violation of the relevant copyright laws. SMART™ is a registered trademark of ANDRITZ in the United States only and an unregistered trademark in all other countries where such rights are recognized. ANDRITZ AG, Statterger Strasse 18, 8045 Graz, Austria. Seal Suction Roll Leaflet\_US\_1.0\_05.2025\_EN