



SMART ROLL INTELLIGENT NIP MONITORING

Optimize production and enhance reliability
with real-time nip insights

WHAT IS SMART ROLL?

ANDRITZ SMART™ Roll is an advanced nip monitoring system that provides real-time data on nip pressure profile and cross machine uniformity. By continuously analyzing and improving

nip conditions, papermakers can optimize dryness out of the press, thereby increasing machine speed and production. This data-driven technology identifies nip pressure variations for enhanced paper

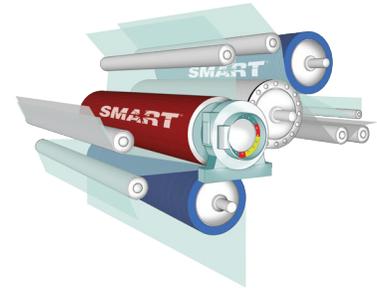
quality and improves cross-machine uniformity to enable increased machine speed. Furthermore, it complements Rezone for press optimization.

Maximize your production with SMART Roll

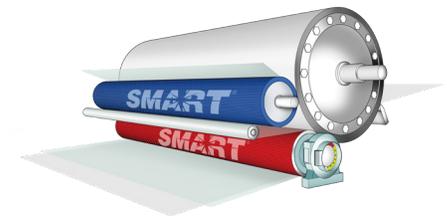
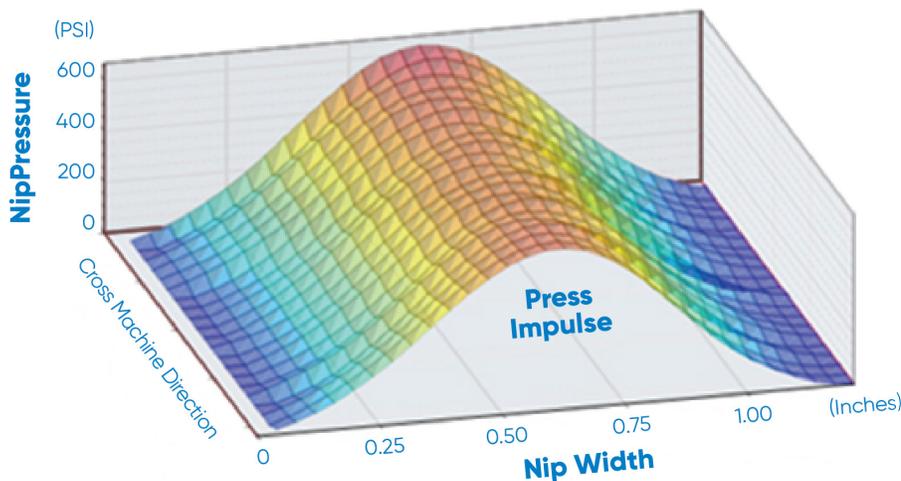
Installed on key nipped roll positions, SMART Roll monitors nip pressure, load distribution and machine dynamics. It delivers real-time insights to ensure uniform nip pressure across the machine. By optimizing nip performance, papermakers can maximize production efficiency and ensure product consistency.

APPLICATIONS

- Suction rolls
- Plain, drilled and grooved press rolls
- Shoe presses
- Tissue Yankee positions
- Size presses and coaters
- Converting and more!



Smart Roll machine configuration



Smart Roll Yankee machine configuration

Sensors measure applied pressure and internal cover temperature across the nip

BENEFITS

- Increased paper production
- Improved paper quality
- Reduced energy costs

NORTH AMERICA

p: +1 919 562 5867

afr-na@andritz.com

ANDRITZ.COM

ANDRITZ



*Trademark of the ANDRITZ GROUP. For information regarding ownership and countries of registration, please visit 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 2026. 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, Stattegger Strasse 18, 8045 Graz, Austria. Smart Roll Leaflet_US_2.0_03.2026_EN