

Introducing

# **SMART**<sup>®</sup> **TECHNOLOGY**

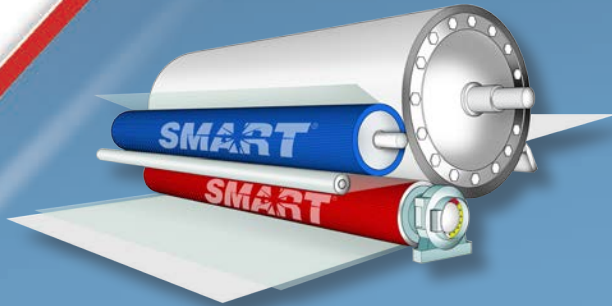
for

## **Suction Roll Applications**

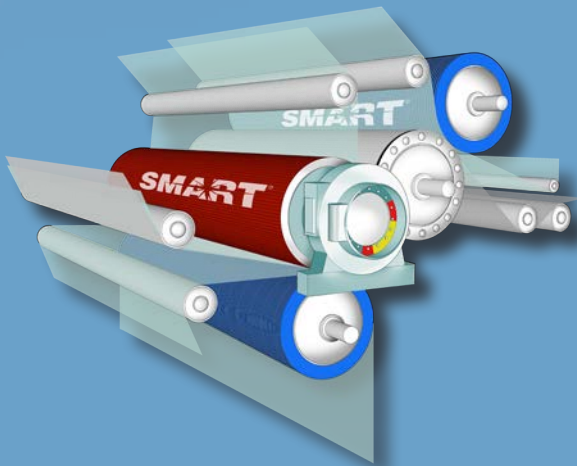
TISSUE  
& PAPER  
MAKING  
JUST GOT  
**SMARTER**

From THE Pioneers of Intelligent Nip Technology

 **XERIUM**  
XERIUM.COM



Tissue Presses



Paper & Paperboard Presses



## Technology

Xerium Technologies is excited to introduce a true game-changing innovation. SMART® Technology for suction roll applications builds upon the highly successful SMART® roll technology already deployed to hundreds of customers around the world on practically every paper grade and machine type. This unique technology enables paper makers and tissue makers to better understand complex roll nip conditions in real-time on vacuum assisted suction rolls, thereby making critical decisions and adjustments to improve machine efficiency and product quality while reducing production cost. SMART® roll technology is the industry's most comprehensive tool that identifies, predicts, and helps prevent potential operating problems before they occur.

The SMART® suction roll system is available for all single and multi-nip suction roll applications with the ability to profile both nips in a multi-nip application, and make necessary crown or load corrections to maintain a uniform nip profile.

It is ideal for tissue suction roll applications operating directly against the Yankee dryer, and for the first time enables real-time correlation of:

- profile vs Yankee temperature
- nip pressure vs crepe and hand feel
- nip pressure, nip width and MD pressure profile
- profile vs Yankee steam pressure
- nip width vs sheet properties
- the influence of vacuum on pressure roll deflection

## Application

- for tissue, paper, paperboard, and most all suction roll applications
- for all machine positions, not just the press
- equally effective for wet or dry applications
- single or multi-nip positions

## Benefits



- improved pressing uniformity
- improved roll and Yankee crown precision



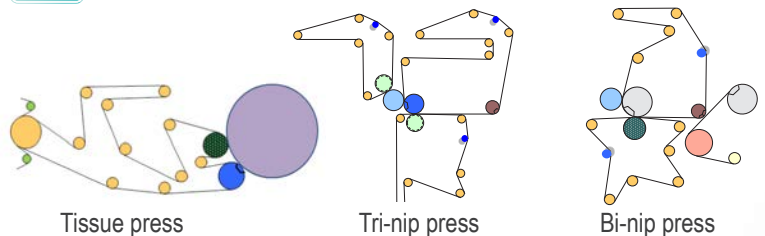
- improved moisture profile
- improved dewatering efficiency
- reduced energy costs



- monitor independently or directly through mill DCS systems
- remote monitoring option



- improved overall efficiency of roll cover and machine clothing
- increased life for roll covers and machine clothing



For more information contact your Xerium representative, or visit [Xerium.com](http://Xerium.com).