



PRESS RELEASE

ANDRITZ Smart Rolls – dynamic monitoring of the nip profile for more efficient production

GRAZ, MAY 2, 2022. The **Smart Rolls** developed by international technology group ANDRITZ are equipped with sensors to measure the nip conditions in the roll cover in real time. In contrast to static measurements, dynamic measurements allow thermal, mechanical, or vacuum influences to be analyzed during operation. This enables performance optimization without downtime.

Smart Rolls are available for all roll positions in pulp and paper production, including suction roll and tissue Yankee applications. In addition to the rolls equipped with sensors, the complete package includes a dedicated computer system for measurement data processing, a receiver unit for data transfer, diagnostic software for analyzing the measured values, and various connection options to other computers, control systems, or even to mobile devices via an app.

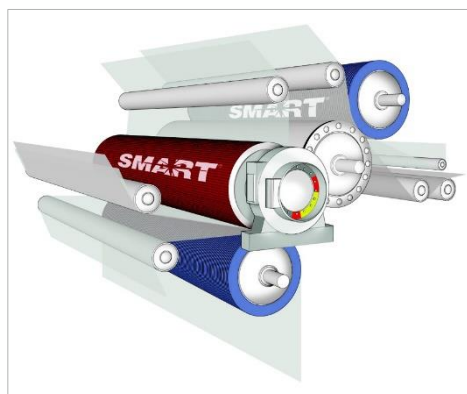
The software of the Smart Roll System shows the nip profile, the pressure profile, pulse curves, and standard pressure and temperature deviations both in real time and over time in clear tables and diagrams. The software also offers a function that provides an overview of savings opportunities in production. This unique diagnostic tool gives the plant operator the option of making changes to the parameters during operation and immediately checking their effects.

The Smart Roll system has now been tested successfully in over a thousand applications. The results achieved prove the considerable economic benefit for the customer. The optimizations have extended the lifetime of the rolls and machine clothing, increased the production speed, and significantly reduced energy and fiber consumption.

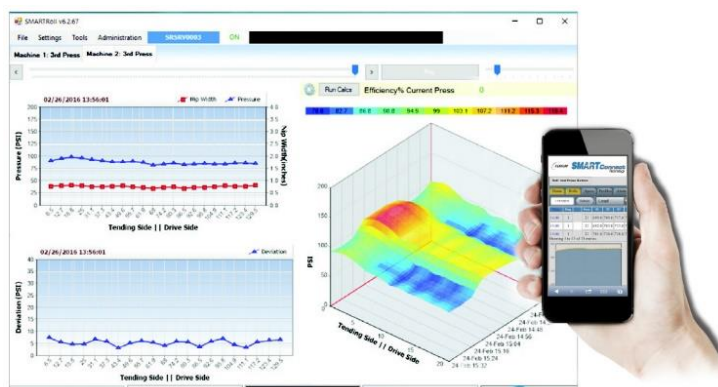
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ENGINEERED SUCCESS





Smart Roll system



Smart Roll visualization

PRESS RELEASE AND PHOTO AVAILABLE FOR DOWNLOAD

Press release and photo are available for download at andritz.com/news. The photo may be published free of charge if the source is stated: "Photo: ANDRITZ".

FOR FURTHER INFORMATION, PLEASE CONTACT

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ANDRITZ GROUP

International technology group ANDRITZ offers a broad portfolio of innovative plants, equipment, systems, services and digital solutions for a wide range of industries and end markets. ANDRITZ is a global market leader in all four of its business areas – Pulp & Paper, Metals, Hydro, and Separation. Technological leadership, global presence and sustainability are the cornerstones of the group's strategy, which is focused on long-term profitable growth. The publicly listed group has around 27,100 employees and over 280 locations in more than 40 countries.

ANDRITZ PULP & PAPER

ANDRITZ Pulp & Paper provides sustainable technology, automation, and service solutions for the production of all types of pulp, paper, board and tissue. The technologies and services focus on maximum utilization of raw materials, increased production efficiency, lower overall operating costs as well as innovative decarbonization strategies and autonomous plant operation. Boilers for power generation, flue gas cleaning systems, various nonwoven technologies, panelboard (MDF) production systems, as well as recycling and shredding solutions for numerous waste materials also form a part of this business area. State-of-the-art IIoT technologies as part of Metris digitalization solutions complete the comprehensive product offering.