



PRESS RELEASE

ANDRITZ achieves remarkable results for premium tissue at its *PrimeLineTIAC*

GRAZ, JUNE 15, 2018. The ANDRITZ *PrimeLine* Tissue Innovation and Application Center (*PrimeLineTIAC*) in Graz, Austria, has developed very successfully since its official launch in March 2018. Many international and renowned customers from the pulp and paper industry as well as from research laboratories and universities have visited the world's most modern research center for tissue° – with the focus on trials and test runs, for example to optimize fibers for a specific product, improve product qualities, increase dryness, and reduce energy consumption, in order to develop new products and processes in the tissue sector. ANDRITZ has also carried out several R&D projects and achieved remarkable results.

***PrimeLineTIAC* – THE BIRTHPLACE OF NEW PRODUCTS**

Since the plant was started up, the pilot facility has been operating with conventional tissue grades. New ANDRITZ products such as the latest shoe press technology, *PrimePress XT Evo*, have been developed successfully, and existing products and technologies, like the ANDRITZ Vertical CrescentFormer (VRT), have been optimized. The Vertical CrescentFormer produces conventional tissue grades with lower energy consumption and better sheet quality.

At the beginning of 2018, the *PrimeLineTIAC* pilot plant was reconfigured to operate in textured mode. Now, just a few months later, ANDRITZ is able to present remarkable results in this field that clearly surpass the results of similar technologies on the market. Furthermore, the first customers have conducted successful trials to improve TAD operations. Within the next few months, internal R&D trials at ANDRITZ will concentrate on different configurations and developments for the production of textured and structured tissue, with the focus on reducing investment and operating costs.

“Our PrimeLineTIAC enables us to operate independently of third-party intellectual property and/or R&D facilities. It also ensures that we can use ANDRITZ technologies globally without any restrictions. These are very important advantages for our customers and ourselves,” says Klaus Blechinger, VP and Head of the ANDRITZ Tissue Product Group.

With its new *PrimeLineTIAC*, international technology group ANDRITZ offers utmost flexibility to customers and other stakeholders by covering all tissue grades required by the market. The pilot plant features various configurations for the production of conventional, textured, and structured (TAD) tissue. It is available to tissue producers and suppliers, research and development companies, universities, and also for ANDRITZ's own R&D activities.



Metris *PrimeControl* E – THE DIGITAL IIoT SOLUTION FOR TISSUE

To optimize and monitor the R&D activities and trials, as well as to develop new, pioneering solutions for OPP (Optimization of Process Performance), ANDRITZ has installed its own Metris *PrimeControl* E hardware and software at the *PrimeLine*TIAC. It is used to monitor and control the different pilot machine configurations as well as the stock preparation and includes alarm management, advanced reporting, drive systems, quality control systems, and remote support. Special condition monitoring equipment and features identify imminent faults or malfunctions in the machinery, and the relevant information is visualized directly at the production line with the aid of augmented reality. Reports on energy and resource efficiency capabilities are available to monitor and optimize consumption of energy and other resources. Metris *PrimeControl* E is available for every ANDRITZ tissue machine supplied.

The *PrimeLine*TIAC is sponsored by the Austrian Research Promotion Agency FFG as part of its R&D infrastructure promotion program.

For more information, please visit andritz.com/tiac

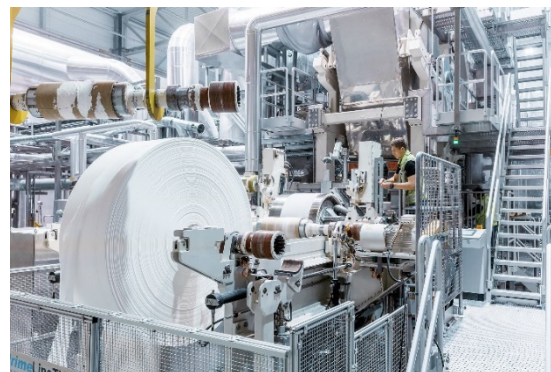
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Page: 3 (total 4)



The pilot plant's automation is equipped with Metris – the new ANDRITZ technology brand in “Industrial Internet of Things” (IIoT) applications.



The tissue production line at *PrimeLineTIAC* features various configurations for the production of conventional, textured, and structured (TAD) tissue.



The ANDRITZ *PrimePress XT Evo* installed at the tissue pilot plant in Graz, Austria

PRESS RELEASE AND PHOTOS AVAILABLE FOR DOWNLOAD

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

FOR FURTHER INFORMATION, PLEASE CONTACT

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ANDRITZ GROUP

ANDRITZ is a globally leading supplier of plants, equipment, and services for hydropower stations, the pulp and paper industry, the metal working and steel industries, and for solid/liquid separation in the municipal and industrial segments. Other important fields of business are animal feed and biomass pelleting, as well as automation, where ANDRITZ offers a wide range of innovative products and services in the IIoT (Industrial Internet of Things) sector under the brand name of Metris. In addition, the international technology Group is active in power generation (steam boiler plants, biomass power plants, recovery boilers, and gasification plants) and environmental technology (flue gas cleaning plants) and offers equipment for the production of nonwovens, dissolving pulp, and panelboard, as well as recycling plants.

A passion for innovative technology, absolute customer focus, reliability, and integrity are the central values to which ANDRITZ commits. The listed Group is headquartered in Graz, Austria. With over 160 years of experience, 25,800 employees, and more than 250 locations in over 40 countries worldwide, ANDRITZ is a reliable and competent partner and helps its customers to achieve their corporate and sustainability goals.

ANDRITZ PULP & PAPER

ANDRITZ Pulp & Paper is a leading global supplier of complete plants, systems, equipment, and comprehensive services for the production and processing of all types of pulp, paper, board, and tissue. The technologies cover processing of logs, annual fibers, and waste paper; production of chemical pulp, mechanical pulp, and recycled fibers; recovery and reuse of chemicals; preparation of paper machine furnish; production of paper, board, and tissue; sizing, calendering and coating of paper; as well as treatment of reject materials and sludge. The service offering includes system and machine modernization, rebuilds, spare and wear parts, on-site and workshop services, optimization of process performance, maintenance and automation solutions, as well as machine relocation and second-hand equipment. Biomass, steam and recovery boilers for power production, gasification and flue gas cleaning plants, systems and plants for the production of nonwovens, dissolving pulp, and panelboard (MDF), as well as recycling and shredding solutions for various waste materials also form a part of this business area.