



PRESS RELEASE

ANDRITZ receives repeat order to supply key process equipment for Klabin's Ortigueira pulp mill in Brazil

GRAZ, DECEMBER 2, 2021. International technology group ANDRITZ has received an order from Klabin to supply energy-efficient and environmentally leading key equipment and processes for Klabin's Puma Capacity Increase II project in Ortigueira, Paraná, Brazil. Start-up is scheduled for the second quarter of 2023.

ANDRITZ's delivery for the hardwood Fiberline capacity increase for the Puma I line includes modernization of the cooking, washing, screening and bleaching processes, which will increase the capacity from 3,742 adt/d to 4,080 adt/d. The order also includes a new ANDRITZ DD-Washer™ (drum displacer washer), which will ensure production of high-quality pulp, maximum operating time, and low chemical consumption, thus minimizing the environmental impact. The DD-Washer supplied to Klabin will be the 400th such washer to be sold worldwide.

Pablo Cadaval, General Mill Manager of Klabin – Puma Unit, says: *"We selected our reliable partner ANDRITZ to supply a new DD-Washer, a washer whose capabilities are already very familiar to us, especially its flexibility for higher production rates and low chemical consumption in bleaching."*

Rodrigo Vendramini, Project Manager of Fiber, Water and Effluent Lines at Klabin, continues: *"We were pleased to hear that our newest DD-Washer is ANDRITZ's 400th DD-Washer sold. In fact, we also have ANDRITZ's 300th DD-Washer sold in our Puma I line."*

ANDRITZ will also deliver the sixth eucalyptus debarking and chipping line (with a capacity of 350 m³ sob/h) to this site, thus completing the existing ANDRITZ Wood Processing Plant in the Puma II line. This order is part of the second phase of the Puma II project and includes an ANDRITZ debarking drum, which provides excellent debarking results with very low wood losses, and a horizontally fed HHQ-Chipper (EXL model), ensuring high capacity without compromising on chip quality.

This order once again confirms the excellent business relationship between ANDRITZ and Klabin. ANDRITZ has supplied major pulp production technologies and process equipment for Klabin's Puma I and Puma II pulp lines in Ortigueira. Currently, a complete biomass gasification plant is being supplied to the Puma II line. ANDRITZ is also in the process of supplying the world's first sulfuric acid plant for a pulp mill, producing commercial-grade, concentrated sulfuric acid. It will serve Klabin's Puma I and Puma II pulp lines once completed.

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In 2016, ANDRITZ delivered two fiberlines for the Klabin Puma I pulp line. The original capacity was 3,500 adt/d, but this increased to the current level of 3,742 adt/d after the first capacity increase project that was started up in December 2020.



The four similar debarking and chipping lines were started up in 2016 during the Puma I project, and a fifth line was recently started up as part of the Puma II project.

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FOR FURTHER INFORMATION, PLEASE CONTACT

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ANDRITZ GROUP

International technology group ANDRITZ offers a broad portfolio of innovative plants, equipment, systems and services for the pulp and paper industry, the hydropower sector, the metals processing and forming industry, pumps, solid/liquid separation in the municipal and industrial sectors, as well as animal feed and biomass pelleting. Plants for power generation, flue gas cleaning, recycling, and the production of nonwovens and panelboard complete the global product and service offering. Innovative products and services in the industrial digitalization sector are offered under the brand name Metris and help customers to make their plants more user-friendly, efficient and profitable. The publicly listed group has around 26,800 employees and more than 280 locations in over 40 countries.

ANDRITZ PULP & PAPER

ANDRITZ Pulp & Paper provides equipment, systems, complete plants and services 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 and sustainability as well as lower overall operating costs. Boilers for power generation, flue gas cleaning systems, plants for the production of nonwovens and panelboard (MDF), as well as recycling and shredding solutions for various 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.