

Press release

ANDRITZ successfully starts up rebuilt paper machine for Heinzl Group in Laakirchen, Austria

Graz, December 4, 2017. International technology Group ANDRITZ has successfully started up the rebuilt PM10 at Laakirchen paper mill for the Heinzl Group, Austria. The machine that originally produced SC paper was converted to a fluting and testliner machine producing basis weights ranging from 70 to 140 g/m² based on recycled fibers. With a design speed of 1,600 m/min and a working width of 7,500 mm, it is now one of the world's most productive paper machines for fluting and testliners.

"We have implemented a comprehensive investment package for our paper mill in Laakirchen. The heart of this package is the PM10 rebuild. The new ANDRITZ technology enables production at the highest quality level. In addition to our PM11, which will continue producing paper for the high-quality SC market, the PM10 produces 450,000 t/y of fluting and testliners," says Thomas Welt, Production Director at Laakirchen Papier AG.

In the stock preparation section, the ANDRITZ scope of supply comprises a complete OCC line with a capacity of 1,350 t/d, rebuild of the existing paper machine approach flow system, as well as sludge and reject handling. The pulping system with detashing includes a 130 m³ FibreSolve FSR pulper, which is the largest low-consistency pulper ANDRITZ has ever installed in Europe.

The rebuilt paper machine features a *PrimeFlow* TW double-layer headbox with *PrimeProfiler* F consistency profiling system. This headbox enables best surface profiles at maximum production flexibility with the stiff separating lamella between the layers. The new *PrimeForm* TW gap former with a specially designed forming suction roll for higher dewatering capacity gently dewateres the web and ensures high retention rates. Forming shoes at both the top and bottom ensure optimized dewatering within a broad operating window. In combination with the *PrimeFilm* Sizer unit, high strength is achieved in the end product.

In the first drying group, *PrimeRun* Evo web stabilizers were installed to improve the runnability of the machine after the press section. *PrimeRun* Evo web stabilizers are high-vacuum boxes with three different vacuum zones in one box. Thus, the web can be removed carefully from the surface of the drying cylinder. In addition, *PrimeRun* Duo web stabilizers were installed in the existing pre-drying section and in the new after-drying section to enable an even web run throughout the drying section.

Instead of cast iron cylinders, *PrimeDry* Steel cylinders are used to achieve the targeted production capacities. They provide up to 7% more drying capacity compared to same-sized cast iron cylinders at the same operating pressure and thus enable either increased production or reduced energy consumption within the space available. In addition, a new air system including heat recovery for the rebuilt drying section was installed to provide energy-efficient paper production.

The new PrimeFilm Sizer applies surface starch to both sides of the paper web simultaneously to achieve the requested strength values. This starch application technology was installed due to the high speed of the machine. The PrimeAir Glide air-turn and the PrimeFeeder tail threading system result in gentle web turning and reliable and fast tail threading.

The scope of supply further includes the entire basic process engineering as well as the complete PrimeControl automation package.

This order once again confirms the strong business relationship between ANDRITZ and the Heinzl Group. ANDRITZ has already started up Europe's largest new MG paper machine (PM2) successfully at the Pöls mill as well as a new black liquor recovery boiler plant.

The international Heinzl Group – with its affiliates Laakirchen Papier AG, Zellstoff Pöls AG, both in Austria, Raubling Papier GmbH, Germany, and AS Estonian Cell, Estonia – ranks among the largest producers of market pulp, corrugated paper, and magazine paper in Central and Eastern Europe. Containerboard has been part of the group's portfolio since the beginning of 2016.

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◀ Successful start-up of PM10 at the Laakirchen mill.

Press release and photo available for download

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The ANDRITZ GROUP

ANDRITZ is a globally leading supplier of plants, equipment, and services for hydropower stations, the pulp and paper industry, the metalworking and steel industries, and for solid/liquid separation in the municipal and industrial sectors as well as for animal feed and biomass pelleting. Other important business segments include automation and service business. In addition, the international Group is also active in the power generating sector (steam boiler plants, biomass boilers, recovery boilers, and gasification plants) and in environmental technology (flue gas cleaning plants) and offers equipment for the production of nonwovens, dissolving pulp, and panelboard as well as recycling plants. The publicly listed technology Group is headquartered in Graz, Austria, and has a staff of approximately 25,700 employees. ANDRITZ operates more than 250 sites in over 40 countries.

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, tissue, and cardboard. The technologies cover the processing of logs, annual fibers, and waste paper; the production of chemical pulp, mechanical pulp, and recycled fibers; the recovery and reuse of chemicals; the preparation of paper machine furnish; the production of paper, tissue, and cardboard; the calendering and coating of paper; as well as the 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, as well as gasification plants for power generation, flue gas cleaning plants, plants for the production of nonwovens, dissolving pulp, and panelboard (MDF), as well as recycling plants are also part of this business area.