



PULP & PAPER

EXCELLENT FIBER PROCESSING

SOLUTIONS FOR ALL PAPER AND BOARD GRADES

ANDRITZ

ENGINEERED SUCCESS

The challenge:

How to enhance fiber quality with economical use of resources

ANDRITZ offers complete mechanical pulping and fiber preparation systems comprising well-proven equipment in every process step:

- Tailor-made mechanical, chemi-mechanical, and semi-chemical pulping as well as bleaching systems for hardwood, softwood, and annual plants for all paper and board grades
- Application-matched recycled fiber systems: deinking lines for tissue, newsprint and graphic papers; recycled fiber and mixed waste paper lines – processing OCC (Old Corrugated Containers) and other raw materials – for different types of packaging grades
- Stock preparation and approach flow systems – from pulp feed to the mill up to the paper machine headbox
- Sludge, reject, and water treatment systems for all pulp and paper applications, including waste-to-value systems to convert rejects into valuable resources and energy

State-of-the art pilot plants for mechanical pulping, fiber preparation, sludge and reject treatment, and recycling systems help develop and confirm technologies and solutions meeting our customers' requirements in all respects. Equipped with small industrial-scale units, the trial facilities are available for internal and external equipment tests and simulation of complex processes.

Every mill deserves the best technology, but also needs to meet its budgets. ANDRITZ is also engaged in trading, refurbishment and installation of second-hand equipment and systems from all manufacturers, as well as relocation of single machines and complete plants.

SMALLER ECOLOGICAL FOOTPRINT

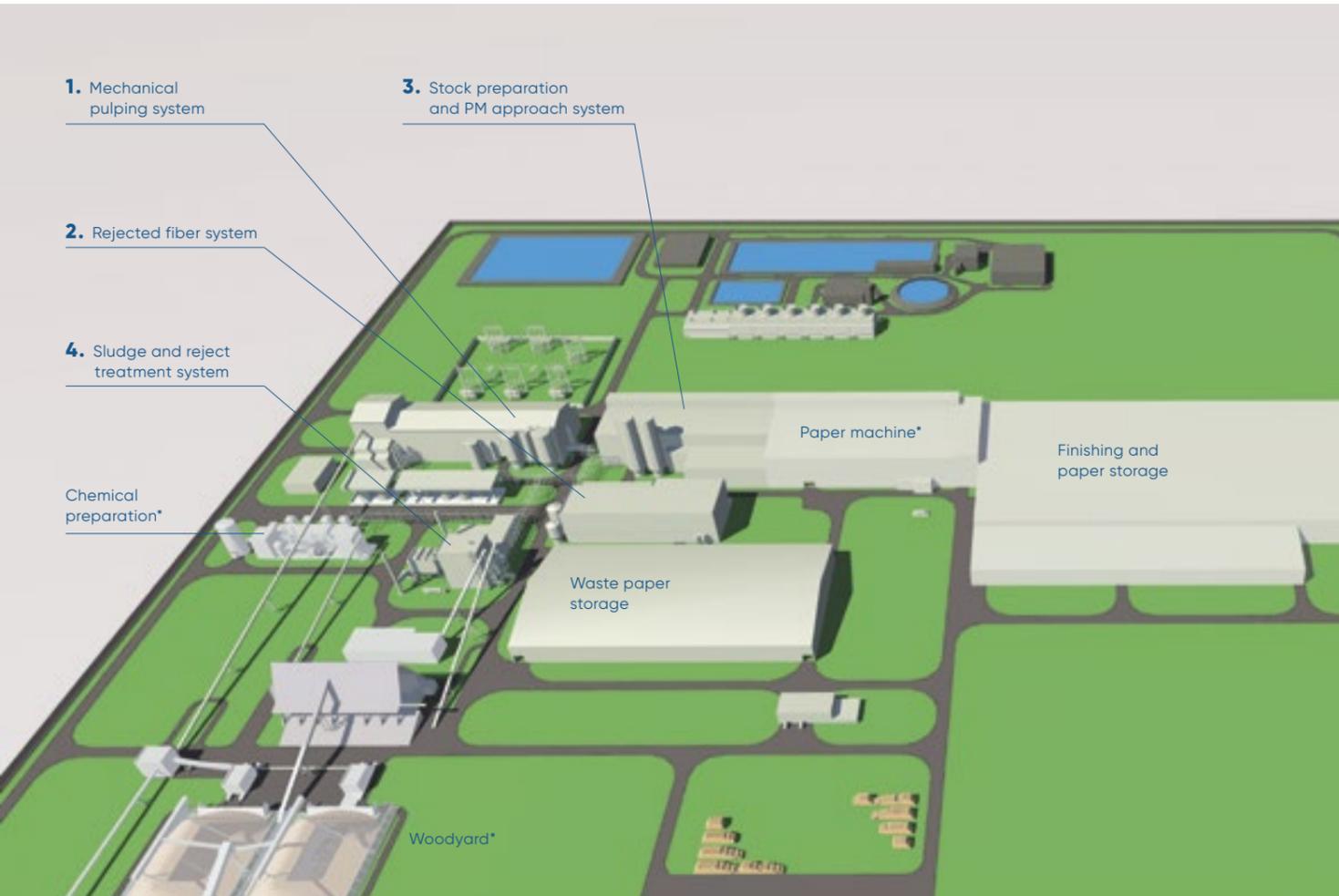
All units and systems are designed to have the lowest possible impact on the environment through high operational efficiencies and low energy consumption levels. Waste-to-value processes contribute towards achieving a smaller ecological footprint and, at the same time, enhance a mill's profitability by recycling many of the mill waste products.



© stockpics - Fotolia.com

The solutions:

ANDRITZ mechanical pulping



* Also included in the product portfolio of ANDRITZ PULP & PAPER

1. MECHANICAL PULPING SYSTEMS

- ANDRITZ P-RC APMP technology for superior chemimechanical hardwood-based pulps
- ANDRITZ ATMP (Advanced Thermo Mechanical Pulping) technology for enhanced fiber development of softwood pulps at reduced energy consumption
- Semi-chemical pulping lines and special processes for annual fiber processing, the production of MFC (microfibrillated cellulose) and NFC (nano-fibrillated cellulose)



2. RECYCLED FIBER SYSTEMS

- Full range of recycled fiber technologies for the production of excellent stock for various paper grades
- Modern deinking lines meeting the most stringent requirements for the final stock quality (brightness increase, reduction of stickies and dirt specks)
- State-of-the-art systems processing low-quality waste paper to produce high-quality packaging grades



3. MECHANICAL PULPING SYSTEMS

- Integrated stock preparation and approach flow systems for the production of all paper and board grades
- Key equipment for every process step – from bale pulping through screening, cleaning, refining, thickening, deflaking, and fiber recovery
- Innovative machine concepts for highest efficiency and availability at low energy consumption



4. MECHANICAL PULPING SYSTEMS

- Extensive system competence for sludge and reject treatment process technology
- Key unit equipment from fiber recovery, shredding, separation, fractionation, and thickening to drying, pelleting, and pyrolysis
- Waste-to-value processes, converting rejects and mill waste into renewable energy and valuable by-products – thus helping to improve a mill's profitability



Get the best systems for your virgin fiber or recycled fiber line



BENEFITS

- Full-line capabilities in processes and equipment
- Innovative design in best product quality – for highest efficiency and reliability to increase pulp quality
- Efficient components with low energy consumption result in lower operating costs
- Systems and units with highest availability, as well as shortest maintenance and downtimes
- Lowest possible impacts on the environment – high reject consistencies are utilized to save on drying and disposal costs

SUBTITLE INSERT HERE:

- Our product portfolio comprises well-proven equipment and innovative products for every process stage.
- Every piece of equipment is designed with the target of being highly efficient and reliable, increasing pulp quality and to reducing energy consumption, thus lowering operating costs.
- The technological basis for our solutions is the extensive system and process know-how for all fiber preparation processes. R&D facilities to test new developments and ideas, laboratories for fiber analyses and data collection, and mill improvement studies are the basis on which to build customized solutions.
- Experienced and highly respected project teams provide professional project and process planning as well as mechanical and control engineering/ automation.
- Depending on the level of support needed, we can supply services ranging from erection supervision and start-up and commissioning to complete turnkey responsibility – for new installations and second-hand equipment.



DISCOVER OUR FULL-RANGE PORTFOLIO FROM FIBER PROCESSING TO PAPERMAKING

An outstanding paper product requires outstanding production – matched with the particular needs of raw material and final product. Discover the full-range portfolio from ANDRITZ: Excellent stock preparation that allows best fiber development according to furnish and with economical use of resources. *PrimeLine* paper machines that are a synonym for producing top-quality tissue, paper, and board grades. Complete lines or single units, upgrades, and modernizations. Contact us and benefit from your individual package in papermaking technology.

AUSTRIA

ANDRITZ AG, Graz
p: +43 316 6902 0

FIBER.PREP@ANDRITZ.COM
[ANDRITZ.COM](https://www.andritz.com)

[CLICK HERE](#)
to get to know our
locations worldwide



ANDRITZ

All data, information, statements, photographs and graphic illustrations in this leaflet are without any obligation and raise no liabilities to or form part of any sales contracts of ANDRITZ AG or any affiliates for equipment and/or systems referred to herein. © ANDRITZ AG 2023. All rights reserved. No part of this copyrighted work may be reproduced, modified or distributed in any form or by any means, or stored in any database or retrieval system, without the prior written permission of ANDRITZ AG or its affiliates. Any such unauthorized use for any purpose is a violation of the relevant copyright laws. ANDRITZ AG, Stattegger Strasse 18, 8045 Graz, Austria. Due to legal requirements, we must inform you that ANDRITZ AG processes your data for the purposes informing you about the ANDRITZ GROUP and its activities. Find out more details about our data privacy declaration and your rights under the data protection legislation on our website: [andritz.com/privacy](https://www.andritz.com/privacy). ExcellentProcessing_01/052023 EN