

Recycled Fiber Systems

For High-Quality Industrial Grades



Recycled Fiber Systems for Industrial Grades

Processing low-grade furnish into high-quality pulp

ANDRITZ has extensive experience processing furnishes such as OCC, AOCC, liquid packaging board, mixed waste, etc. The industrial grade furnishes typically have a high number of contaminants, which must be removed early in the pro-

cess before they have an opportunity to disintegrate into the stock. ANDRITZ offers a range of application-matched processes and equipment for recycling industrial grades.

Process know-how and key equipment

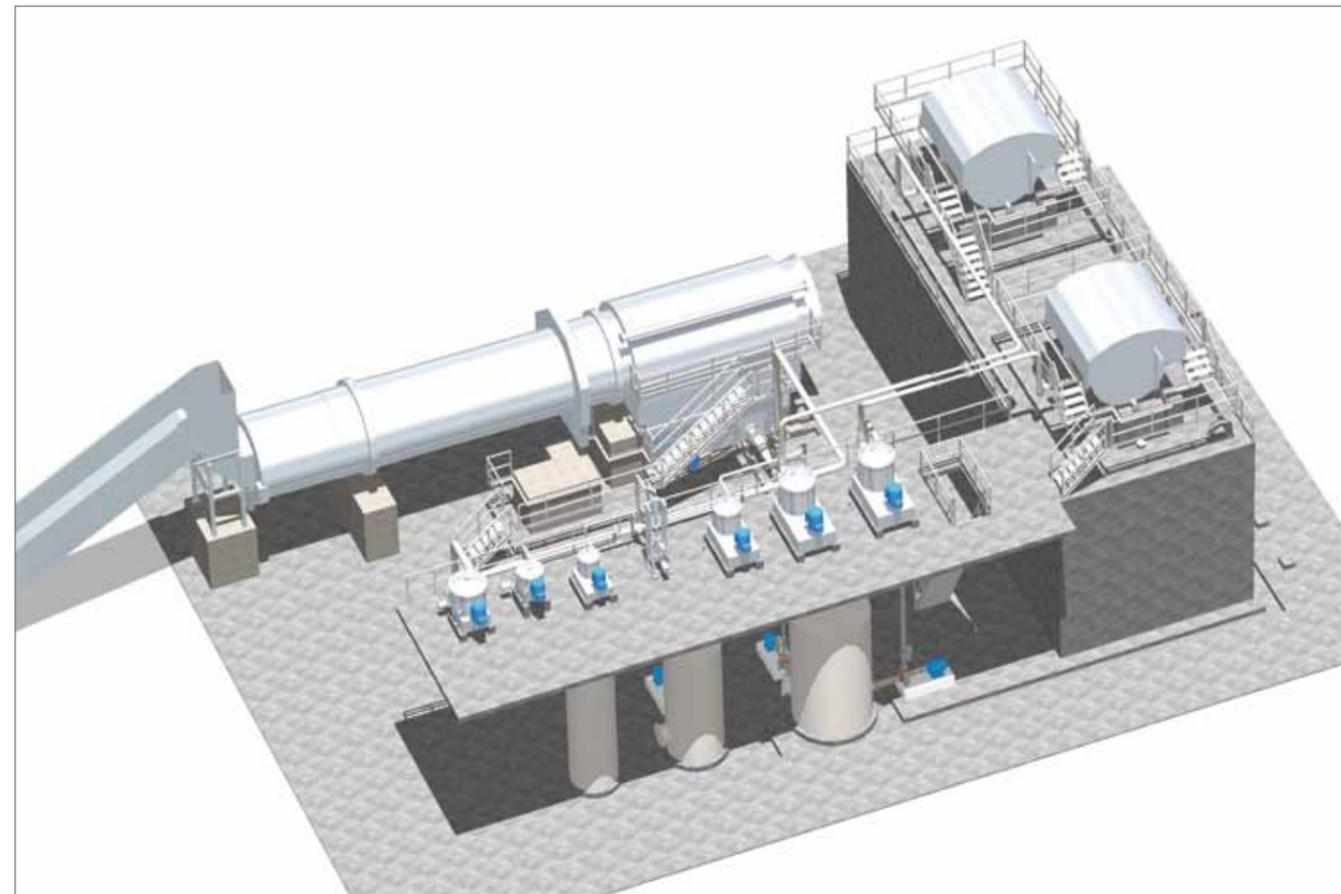
Global experience from numerous installations enables ANDRITZ to specify the right system for various industrial grade applications. Our know-how from pulping to storage tower including reject handling can be applied to your project with proven profitability and minimum technical risk.

The entire process chain is designed to give you a high availability, with excellent final pulp quality at low operating costs.

For industrial grades, ANDRITZ recommends the FibreFlow® drum pulper in order to ensure high pulp quality. The FibreFlow® drum removes contaminants in the first stage of the process. Thus, less equipment is required downstream to clean the pulp. The FibreFlow® drum itself does not generate fines or damage fibers. To cover the various requirements of the pulping process, ANDRITZ in addition offers high-consistency batch and low-consistency continuous pulping systems including detraging in order to handle different kinds of furnishes.

Benefits

- **Reduced energy consumption through optimized equipment and process design**
- **Reduced installation costs due to process simplification**
- **Usage of lower cost furnish without reduction of final quality**
- **Increased runability and stability**
- **Equipment and process designed for minimum fiber loss**
- **Short maintenance time due to good accessibility to all critical wear parts**
- **Designed for easy reject collection and separation**
- **Wear resistant design of equipment**



Demands and solutions – tailored systems designed by ANDRITZ

Minimizing operating costs

Efficient components at low **ENERGY** consumption lead to lower operating costs

Innovative machine concepts

Focus on best product **QUALITY** – for highest efficiency and reliability to increase pulp quality

Environmental-friendly processes & equipment

Lowest possible impacts on **ENVIRONMENT** – high reject consistencies save drying and disposal

Use your time for production

TIME is money – systems and units with highest availability, shortest maintenance and down-times



The FibreSolve FSW continuous pulper rotor generates excellent turbulence in the vat which allows a higher pulping consistency that leads to higher shear forces and lower energy consumption. In the next process steps, the pulp is cleaned and screened, the technology is based on well proven equipment – AhlCleaner and ModuScreen.

The ModuScreens can be equipped with hole baskets, slotted baskets, or screen plates, depending on process requirements. Pulp thickening is easily and economically accomplished with ANDRITZ thickeners and screw presses. Finally there are also excellent solutions for handling of rejects and sludge, as well as waste water available.

If dispersion is required, ANDRITZ provides the CompaDis disperser which can be operated atmospheric or under pressure. Optimum development of the fiber potential can be achieved by selecting the best refiner type for each application.



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Engineered quality

System integration and concepts

By developing components for each process step, we also develop the understanding of how individual equipment performs most efficiently in the entire system. As a result ANDRITZ systems are designed as simple as possible but as efficient as necessary. Hundreds of installations give us the foundation for improvements and modifying equipment for each new application.

Engineering

To work efficiently and secure highest quality, we use our in-house engineering capabilities. ANDRITZ performs basic/ detail plant and process engineering, 3D planning, electrical and control engineering, DCS programming and factory acceptance tests. The applied documentation system provides erection, operation and maintenance instructions with database, user-friendly interface and search functions.

Project management

Our project managers are experienced and skilled in international project management. We have a history of success in completing first-class turnkey installations on time. Depending upon the level of support you need, ANDRITZ can supply services ranging from erection supervision, start-up and commissioning to complete turnkey responsibility, even EPC.



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