



FIBER R&D CENTER IN GRAZ, AUSTRIA

Customer trials, research and development

ANDRITZ



FibreFlow Drum Prime / Fiber slushing and separation of coarse contaminants for all kinds of recovered paper

Trial and error in the right place

Trial and error is a very common way of solving problems: You try, you fail, you try something else, and hopefully succeed in the end. All the more important that this principle is put into practice in the right place and not in a paper mill – where the goal is uptime, efficiency, and throughput 24/7.

At the Fiber R&D Center in Graz, papermakers have a fully equipped area to test their ideas for equipment, processes, and products on pilot-plant scale – without impacting mill operations. Running the trials and making the errors at our R&D Center means that there are no errors at your mill.

FULL-LINE CAPABILITIES

ANDRITZ's original Stock Preparation Pilot Plant was built in 1982 for customer trials and internal R&D. In 2004 and 2005, major renovations and extensions to the plant were completed to add full-line capabilities.

Today, the Fiber R&D Center Graz is fully equipped for equipment and process R&D as well as direct work for customer trials. It is flexible enough to accommodate single machine testing or complete process lines and is able to process both recycled and virgin fibers. If needed for a specific trial, our specialists have the ability to collaborate with experts in one of our other ANDRITZ technical centers in Graz, St. Michael near Graz, Foshan and Springfield.



“Our real-mill environment with small, industrial-scale machines is a fundamental precondition to achieve highly accurate test results.”

Laura Liukkonen
Global Director of
Fiber R&D Centers



Andreas Gorton-Hülgerth
Director Global Technology

“Mills usually contact us when they are contemplating a new investment, a different process or a new product or grade. Investments can range from replacement of a single piece of equipment to a complete new fiber preparation line.”



Simulation in a flexible, real-mill environment

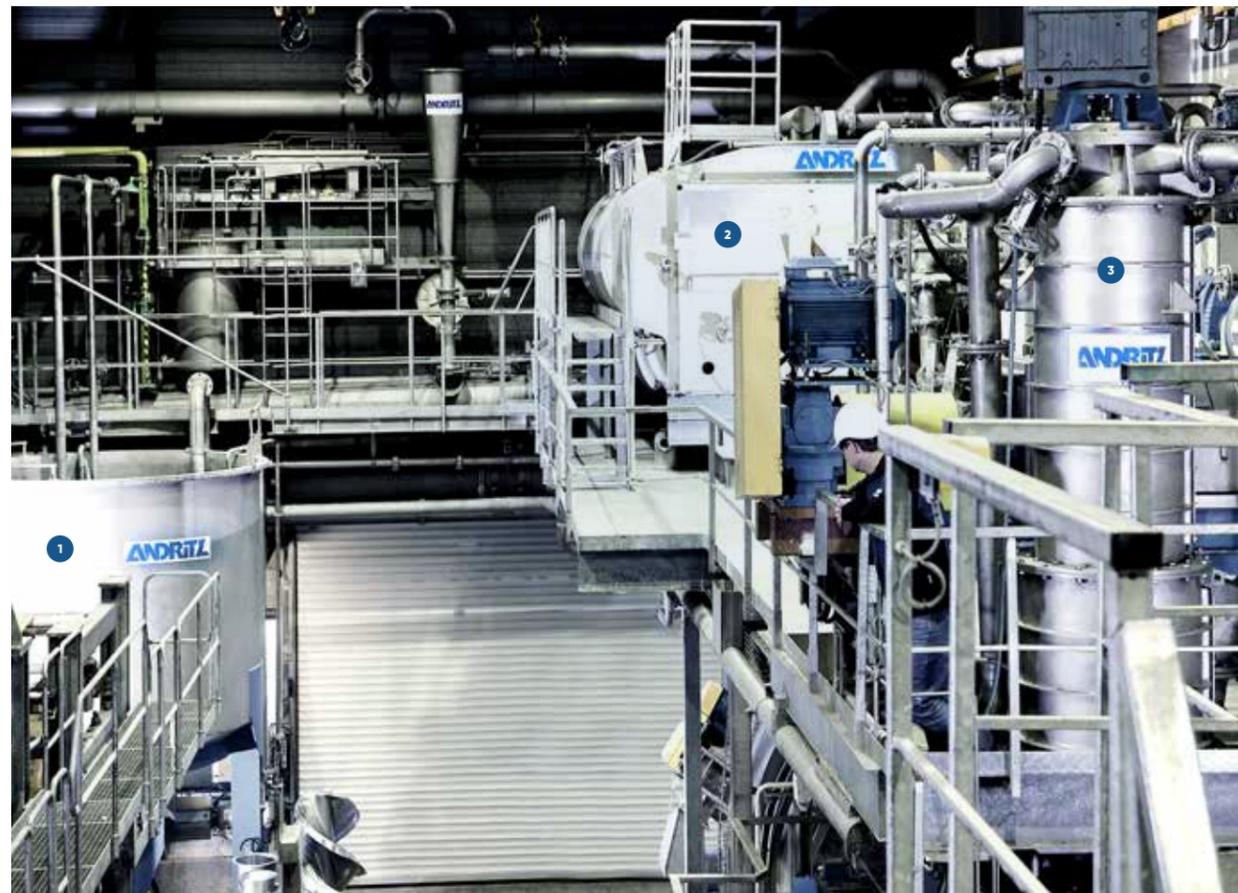
Real-mill environment and numerous possibilities in terms of fiber sources and configurations is a reliable precondition to confirm future pulp properties and operating characteristics of the ANDRITZ equipment in advance.

FLEXIBILITY IN PULP TYPES AND CONFIGURATIONS

An important strength of the Fiber R&D Center Graz is its flexibility in processing and treatment of many different raw materials. The plant can handle virgin fibers (mechanical and chemical pulps) as well as recycled, man-made and annual plant fibers.

In terms of layout, one-, two-, or three-loop systems can be configured with a variety of different machinery combinations. Based on the test results, an optimum system can be engineered, ensuring that the required fiber quality is achieved at the lowest possible investment cost. Testing of single machines and prototypes is, of course, also an important part of our daily business.

Inside view of the Fiber R&D Center in Graz, Austria



1 FibreSolve pulper 2 SelectaFlot flotation 3 Vertical Screw Thickener (VST)

Most accurate technological results for your investment

All trials are performed on small industrial-scale machines and not on down-scaled laboratory equipment. The advantage is that we have the most accurate technological results from the trial and any ongoing research and development work.

PAPER QUALITY LAB INCLUDED

In close proximity to the Fiber R&D Center Graz, ANDRITZ maintains a quality laboratory, certified to international standards, to analyze samples.

These samples can come from our R&D Center or from your actual mill production. Physical and chemical studies are performed in a wet lab. A specially built conditioning room provides optimum conditions for strength analysis and optical evaluations of paper samples.

YOUR BENEFITS AT A GLANCE:

- Testing of all different kinds of pulp (virgin, recycled, man-made, annual plants, mechanical)
- Simulation of complete lines with different layouts
- Testing of single machines
- Real-mill environment with industrial-scale machines
- Easy accommodation of prototypes
- Dewatering capabilities so that pulp can be tested on a paper machine
- Full data logging and documentation
- Flexibility in piping for different machine configurations

SHOWREEL
See the video!



Wet laboratory



Conditioning room



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.

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