

Paper/Board Machine Approach Systems

The Papermaker's Choice



Paper/Board Machine Approach Systems

The best solution for each requirement

Whether you produce printing and writing, packaging or tissue grades, coated or not, you will find advanced solutions from ANDRITZ.

ANDRITZ has the applications experience to help you select the key components for your Approach System or can provide the complete system:

- Deculator® and cleaners
- Headbox screens
- Tray water receivers and flumes
- Fiber recovery cleaners
- FilRec system
- Fan pumps
- Piping and engineering
- Instrumentation

Main functions and requirements of Paper Machine Approach Systems

- Mix thick stock, wire water and internal flow streams
- Regulate consistency and temperature according to Paper Machine requirements
- Portion and mix dyes, fillers and chemicals
- Remove air
- Remove dirt, shives and other contaminants
- Minimize consistency variations
- Minimize pressure variations and pulsations
- Deliver uniform dispersion to the Paper Machine headbox
- Quick response to varying production demands of the Paper Machine
- High runnability
- Ease of operation and maintenance

Benefits

- **Clean stock to the headbox – no impurities**
- **Complete deaeration – all flows entering the headbox are completely deaerated**
- **Reduced grade change time**

- **Completely clean approach process with polished surfaces**
- **Minimized liquid volume**
- **Minimized recirculation**
- **Stable process – no pulsations**

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

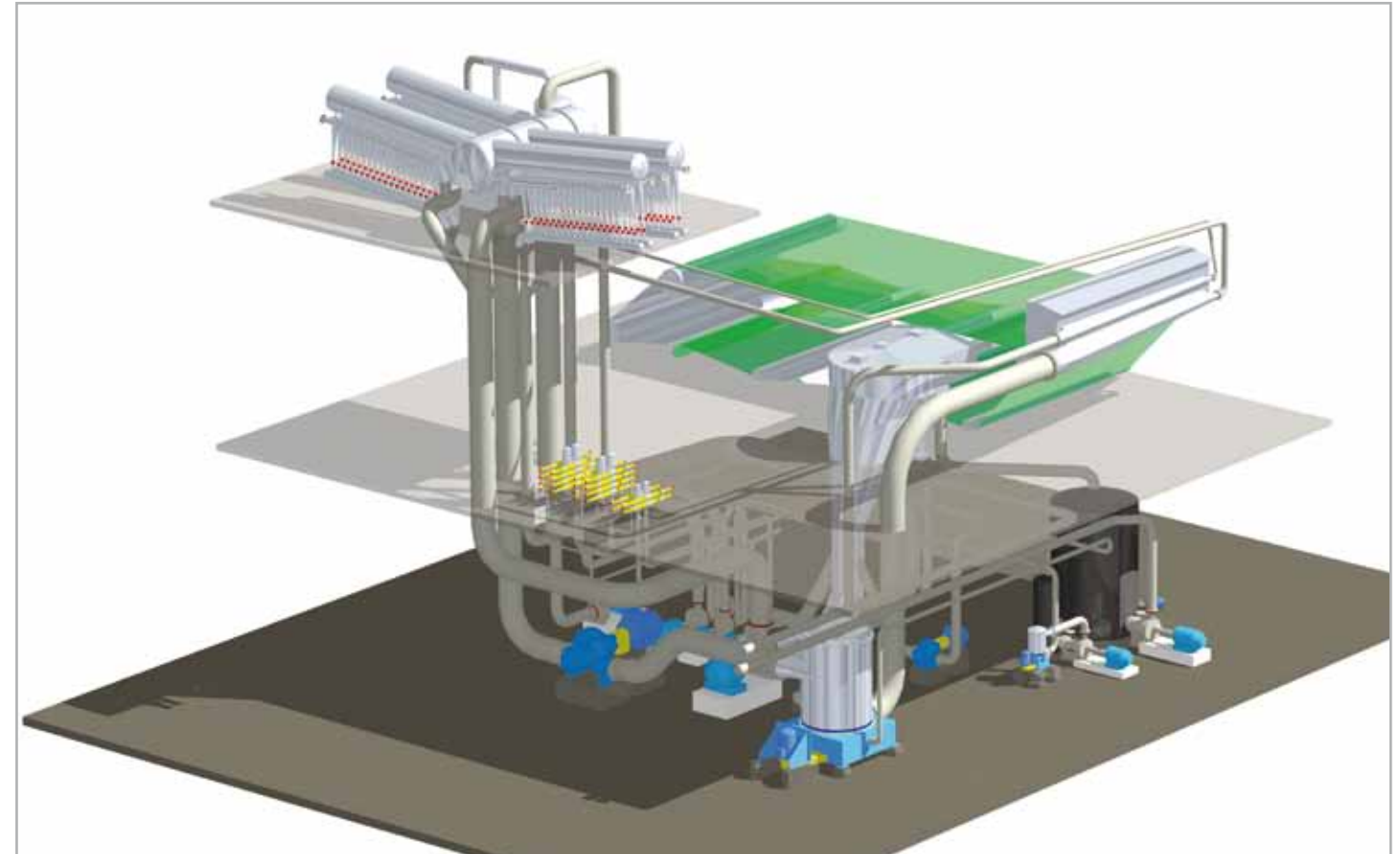
Focus on best product **QUALITY** – for highest efficiency and reliability to increase pulp quality

Environmental-friendly processes & equipment

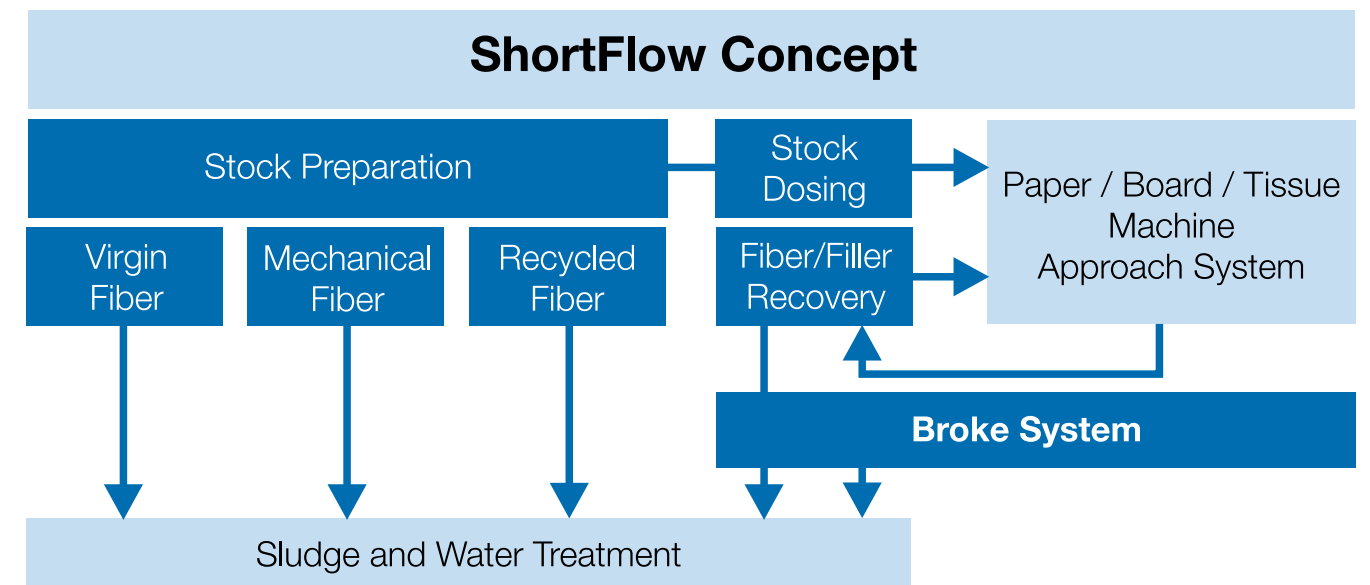
Lowest possible impacts on **ENVIRONMENT** – high reject consistencies save drying and disposal

Use your time for production

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



ANDRITZ ShortFlow Concept contains overall process solutions – from the bale pulping to the paper machine headbox.



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Well proven in world-class mills

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.

**ANDRITZ AG**

Graz, Austria
Phone: +43 (316) 6902 0

ANDRITZ OY

Kotka, Finland
Phone: +358 (20) 450 5555

ANDRITZ TECHNOLOGIES LTD.

Foshan, Guangdong, China
Phone: +86 (757) 8296 9222

ANDRITZ INC.

Glens Falls, New York, USA
Phone: +1 (518) 793 5111

ANDRITZ K.K.

Tokyo, Japan
Phone: +81 (3) 3536 9700

www.andritz.com
fiber.prep@andritz.com