Deinking Systems
Engineered Brightness

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 Deinking Systems are designed as lean as possible but as strong 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.
Deinking Systems
System experience and process know-how

ANDRITZ is one of the leading suppliers of complete systems for deinked pulp – from pulping to storage, including sludge and reject treatment. Extensive system know-how, decades of experience in building all types of deinking plants, and the broadest range of equipment are the basis for our systems.

Benefits
- Reduced energy consumption through process stages at best suited consistency
- Minimum number of chests due to mixing pump solution
- Lowest chemical consumption resulting from ideal mixing of stock and chemicals
- Equipment designed for minimum fiber loss
- Fully automated lines operated by minimum staff
- Highest availability thanks to proven and mature machine design
- Short maintenance time due to good accessibility to all critical wear parts
- Early problem detection ensured by good monitoring and equipment control

Process know-how and key-equipment
Global experience from numerous installations enables ANDRITZ to specify the right system for various deinking applications. Our know-how can be applied to your project with proven profitability and minimum technical risk.

From pulping through screening, cleaning, flotation, thickening/dewatering, dispersing and bleaching, as well as sludge and reject treatment – every process step is covered by highly efficient and reliable equipment.
The entire process chain is designed to improve the pulp and paper quality, thus increasing your mill’s performance.

Technological challenges for modern deinking lines
- Exploit brightness potential of furnish
- Least residual ink
- Maximum pulp cleanliness
- Maximum sticky elimination
- Adjustable ash in final pulp
- Lowest possible effluent contamination
- Flexibility to compensate furnish quality fluctuations

Demands and solutions – tailored systems designed by ANDRITZ

The FibreFlow® concept represents world class solutions for pulping, trash and heavy particle removal, as well as coarse screening. And all this in only two process steps – the FibreFlow® drum pulper and ModuScreen CR coarse screens. ANDRITZ screening systems are engineered to meet specific mill needs and are based on well-proven ModuScreen pressure screens. This leads to high sticky and dirt removal efficiency and easy operation even with the smallest slot size at lowest energy consumption.

Maximum improvement of optical pulp qualities as well as selective and efficient removal of ink particles are advantages of the SelectaFlot flotation cell. Brightness increase, low fiber loss and energy consumption of SelectaFlot have proven to be superior to conventional technologies.

ANDRITZ is the leading supplier of thickeners and dewatering equipment. Disc Filters, Twin Wire Presses, and Screw Presses are applied in various positions to secure long-term reliability as well as efficient and safe operation.