RCF Packaging
Recycled fiber lines for packaging paper
The challenge:
High-quality packaging paper from recycled fiber

In the production of paper from recycled fibers, a shift is becoming evident in demands and requirements. This is particularly true in the production of packaging paper, which is regarded as one of the growth areas in the global paper industry.

RCF Packaging solutions

- Innovative systems offering conservation of resources and generating excellent stock qualities
- High availability of the equipment, resulting in lower operating and maintenance costs
- Best paper quality, while maintaining fiber strength properties throughout the process
- Process competency from engineering to start-up by a strong and dedicated team
- Modern reject handling solutions

Technological challenges

- Equipment and process must be designed for minimum fiber loss
- No adverse effect on final pulp quality as a result of increasing contaminant loads and lower fiber quality in the incoming waste paper
- Reduction in paper weight and increase in paper strength
- Efficient separation and reuse of waste paper contaminants

Overview of typical furnish and paper/board products

<table>
<thead>
<tr>
<th>Furnish</th>
<th>Paper grade</th>
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<tbody>
<tr>
<td>OCC</td>
<td>Liner board</td>
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<tr>
<td>Mixed waste</td>
<td>Corrugated medium</td>
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<tr>
<td>Liquid packaging board</td>
<td>Cardboard</td>
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<tr>
<td>Mixed office waste</td>
<td>Folding boxboard</td>
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<tr>
<td>Magazines</td>
<td>Duplex board</td>
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Example of an RCF Packaging system for testliner

Example of an RCF Packaging system for corrutated medium

Benefits

- Process competence based on:
  - Globally standardized technology
  - Pilot plant and pulp testing laboratory
  - Skilled and experienced team
- High availability of key equipment:
  - Less maintenance
  - Fewer spare parts
- Energy savings due to:
  - Optimized designs
- Best paper quality through:
  - Cleaner pulp and better strength properties
- Low fiber loss due to:
  - Advanced technologies in fiber and debris separation
RCF Packaging
Extensive equipment and process know-how

Integrated rejects handling
The reject handling system ensures in-line collection and processing of all rejects accumulating at the respective discharge points. Major individual operations, such as shredding, metal and heavy particle separation, compacting, drying, and either pelleting and combustion or gasification can be combined according to the customers' needs. ANDRITZ's extensive know-how in the field of recycled fiber processing and rejects treatment helps close the recycling loops and conserve natural resources.

Engineering competence
The ANDRITZ approach is a holistic one: only by knowing what is needed will we be able to offer the best solutions according to our customers' requirements. ANDRITZ's in-depth process know-how is complemented by a broad range of engineering services, from basic/detail plant engineering, 3D planning, to electrical and control engineering, DCS programming, and factory acceptance tests. Additional project support packages range from basic project management to erection work supervision, start-up and commissioning, to complete turnkey responsibilities.