FibreGuard system
Continuous low-consistency pulping of all types of recycled paper
**The challenge:** Handling of all recycled papers with higher amounts of contaminants

**The solution:** ANDRITZ FibreGuard system – the latest development in recycled fiber pulping

**Benefits**
- Quality increase through early removal of non-disintegrated reject materials and quick forward of accepts
- Low power requirements
- Contaminant contents up to 12%
- Low space requirements due to optimized sizing and set-up of all components

**LC continuous pulpers from ANDRITZ – for all types of recycled paper**
Equipped with an optimized rotor and vat, high pulping efficiency with gentle treatment of the fibers is achieved. With the increased volume design of the FibreGuard detrashing system high contaminant contents are easy to handle. Specialized materials, low rotational speeds and fast reject removal ensure longest lifetimes of the individual components.

**Benefits**
- Increased operating consistencies of up to 6%
- Fluid-dynamically optimized rotor and vat for low power consumption
- Standard gear box with elastic coupling
- Efficient reject removal with TrashWell or TrashTrap option with large connection to pulper

**Pulper**
FibreSolve FSR

**Ragger**
RagPull RP

**Detrasher**
FibreGuard FG

**Reject removal**
TrashTrap
TrashWell

**Drum screen**
FibreWash Drum FWD

**Reject pump**
Detrashing Pump DP

**Options**
- Increased detrasher capacity
- Enables flexible positioning of the FibreGuard detrasher

**Drum screen**
FibreWash Drum FWD

- Efficient washing
- Increased retention time due to slanted design
- Overhung bearing design (no bearing in wet area)
- Maintenance-free drum sealing
- Drum cleaning by external fixed jet pipe

**Detrashing Pump DP**

- Large screen plate diameter fully covered by rotor
- Easy installation due to integrated steel frame and motor support
- Fast and easy maintenance due to sliding housing
- External motor adjustment device

**Detrasher**
FibreGuard FG

- Controlled reject removal via junk trap
- Removal of rejects with grapple

**Ragger**
RagPull RP

- Open design enables easy rag handling
- Continuous operation via speed-controlled motor
- Angle adjustment of complete unit

**Pulper**
FibreSolve FSR

- Increased operating consistencies of up to 6%
- Fluid-dynamically optimized rotor and vat for low power consumption
- Standard gear box with elastic coupling
- Efficient reject removal with TrashWell or TrashTrap option with large connection to pulper
**FibreGuard system**
Efficient pulping and detrashing

![Modern FibreGuard installation in a European recycled fiber mill](image)

### Available sizes

<table>
<thead>
<tr>
<th>FibreSolve</th>
<th>FSR2</th>
<th>FSR3</th>
<th>FSR4</th>
<th>FSR5</th>
<th>FSR6</th>
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</thead>
<tbody>
<tr>
<td>Net volume [m³]</td>
<td>20 / 26</td>
<td>33 / 43</td>
<td>56 / 72</td>
<td>90 / 110</td>
<td>130 / 160</td>
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</table>

<table>
<thead>
<tr>
<th>FibreGuard</th>
<th>FG01</th>
<th>FG02</th>
<th>FG04</th>
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<tbody>
<tr>
<td>Volume [m³]</td>
<td>1.0</td>
<td>2.0</td>
<td>4.0</td>
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<table>
<thead>
<tr>
<th>FibreWash Drum</th>
<th>FWD2</th>
<th>FWD3</th>
<th>FWD4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drum diameter [m]</td>
<td>1.25</td>
<td>1.60</td>
<td>2.00</td>
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</tbody>
</table>

**Detrashing Pump (OPTIONAL)**

DP350-650

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**ANDRITZ AG**
Vienna, Austria
Phone: +43 50 805 0

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

**ANDRITZ (China) Ltd.**
Foshan, Guangdong, China
Phone: +86 (757) 8202 7602

**ANDRITZ K.K.**
Tokyo, Japan
Phone: +81 (3) 3536 9700

**ANDRITZ Brasil Ltda.**
Curitiba, Brazil
Phone: +55 (41) 2103 7601

**ANDRITZ Ltd.**
Lachine, QC, Canada
Phone: +1 (514) 631 7700

**ANDRITZ AG**
Stattegger Strasse 18
8045 Graz, Austria
Phone: +43 316 6902 0
fiber.prep@andritz.com
www.andritz.com

**ANDRITZ (China) Ltd.**
Foshan, Guangdong, China
Phone: +86 (757) 8202 7602

**ANDRITZ Ltd.**
Lachine, QC, Canada
Phone: +1 (514) 631 7700
fiber.prep@andritz.com
www.andritz.com

**ANDRITZ Ltd.**
Lachine, QC, Canada
Phone: +1 (514) 631 7700
fiber.prep@andritz.com

**ANDRITZ Brasil Ltda.**
Curitiba, Brazil
Phone: +55 (41) 2103 7601
fiber.prep@andritz.com

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fiber.prep@andritz.com

**ANDRITZ Brasil Ltda.**
Curitiba, Brazil
Phone: +55 (41) 2103 7601

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