



# **HIGH-QUALITY SPARE AND WEAR PARTS**

**Pulping, detrashing, coarse screening**

**ANDRITZ**



# High-quality spare and wear parts for all machine designs from any OEM

ANDRITZ has a long history of manufacturing spare and wear parts for equipment from different suppliers and has been selling its own stock preparation machines and systems since 2001. In all these years, ANDRITZ has proven itself as a reliable supplier of all types of high-performance components, from commodity parts to value-added engineered solutions.

## THE CHALLENGE

Pulpers and their surrounding equipment, such as det-rashing machines, require regular replacement of wear parts in order to ensure the reliability and runability of the machines.

Lower-quality waste paper materials with high amounts of unwanted components result in increased wear on the processing equipment and reduce the lifetime of the key components.

To maintain high production performance and increase the life-time of the individual machine parts, it is es-sential to use first-class quality components.

## THE SOLUTION

**ANDRITZ is a proven supplier of optimized components for LC and HC pulping, detrashing machines, tail screens, and disc sorters:**

- Rotors
- Screen plates
- Various spare and wear parts

**Furthermore, ANDRITZ offers all kinds of repairs and modifications, such as:**

- Rotors repairs
- Standard service and rebuilds
- Upgrades and optimizations

The above services can be provided for all machine types and sizes, regardless of the original equipment manufacturer (OEM).

## BENEFITS

- Long manufacturing history of more than 150 years together with decades of process know-how
- High-performance wear parts, supporting continuous machine efficiency
- Longer lifetime of components by using highly wear-resistant materials
- Spare and wear parts as well as repair, rebuild, and upgrade services available for all makes and models
- Individual designs customized to the specific application, for easy maintenance and replacement of parts

# The perfect plate and rotor customized and engineered by ANDRITZ

In a pulping system, highly abrasive stock ingredients directly impact the performance of rotors and screen plates. We can help increase the life-time of your pulping and detrashing equipment. The ANDRITZ rotors and screen plates are available in different designs and materials depending on the application and the desired wear life. Continuous product development is conducted in close cooperation with our customers.

### SCREEN PLATES

The screen plates are very much subject to wear. Depending on the application, different product features, wear protection elements, and surface treatment options are available.

ANDRITZ HT-type screen plates combine the proven characteristics of stainless steel with the advantages of higher strength and better wear resistance, resulting in a longer plate lifetime.

### ROTORS

The geometry of the rotor is decisive for reliable operation of any pulper or detrashing machine. In a pulper, it ensures good material circulation in the vat, while generating enough pressure on the screen plate to optimize throughput. The rotor ideally leads to high capacity at lowest possible power consumption without any deterioration in pulp quality.

ANDRITZ can provide one-to-one exchangeable pulper rotors according to the respective OEM standard as well as replacement and upgrade of all types of rotors for detrashers, coarse screens, and disc sorters.



	SCREEN PLATES	ROTORS
Pulping		
Detrashing		
Coarse screening		
Design features	<ul style="list-style-type: none"> <li>Segmented or full disc</li> <li>Welded or bolt-on turbulence bars, optionally with special hardening</li> <li>With or without support frame</li> <li>Step drilled, conical, or cylindrical holes</li> <li>Specially hardened bolts</li> <li>Option of reversible design</li> </ul>	<p><b>Rotors designs (500 - 3.000 mm):</b></p> <ul style="list-style-type: none"> <li>Cast and welded</li> <li>Hub upgrades for easy gap adjustment</li> </ul> <p><b>Wear protection designs:</b></p> <ul style="list-style-type: none"> <li>Direct welding of wear-resistant material</li> <li>Weld-on waer shoes</li> <li>Bolted wear shoes</li> </ul>
Materials	<ul style="list-style-type: none"> <li>High-quality steel grades</li> <li>Wide selection of manufacturing materials</li> <li>Heat-treated stainless material for highly abrasive applications</li> </ul>	<ul style="list-style-type: none"> <li>All different stainless steel grades for the rotor base material</li> <li>Heat-treated steel grades and special hardened materials for wear protections</li> </ul>

# Additional capabilities for pulping components and systems

ANDRITZ has the know how and workshop facilities for all kinds of repairs and refurbishments of pulping equipment. In addition, pulping systems can be analyzed for optimizations with the aim of increasing the production performance and process efficiency.



## REPLACEMENT PARTS

ANDRITZ not only provides highly wear-resistant screen plates and rotors, but also various spare parts for every make and model, such as:

- Detrasher housings
- Extraction chambers
- Stuffing boxes
- Bearing units



## SERVICES

- Analysis of pulping systems
- Mechanical inspection
- Measurement of components
- Erection, supervision, start-up and commissioning



## HC ROTOR RECONDITIONING

- Audit and inspection
- Restore original rotor geometry
- Machining and balancing
- Install or renew wear protection
- Upgrade with guide vanes and cutting blades





#### **EUROPE**

ANDRITZ AG  
Graz, Austria  
p: +43 316 6902 2711

#### **NORTH AMERICA**

Andritz Canada Ltd.  
Lachine, QC, Canada  
p: +1 514 631 7700

#### **CHINA**

ANDRITZ (China) Ltd.  
Foshan, Guangdong, China  
p: +86 757 8202 3502

#### **SOUTH AMERICA**

ANDRITZ Brasil Ltda.  
Curitiba, Brazil  
p: +55 41 2103 7601

#### **ANDRITZ.COM/PULPING-SERVICE**

[pulping-service@andritz.com](mailto:pulping-service@andritz.com)



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