

Service Information

ANDRITZ SCP wear shoes

Model(s)	All SCP models																	
Machine	Pulp screw press																	
Machine group	Dewatering and bleaching																	
 <p>The challenge</p>	<p>High operation reliability through efficient screw flight protection</p> <p>Efficient screen basket cleaning – to avoid hole and screw plugging – is a must for every screw press operation. The cleaning is done with screw flights edges. They need to be sharp to scrap the fibers off the basket. This process leads to high abrasion. The screw flight edges have to have a high wear resistance in order to provide efficient cleaning.</p>																	
																		
 <p>The ANDRITZ solution</p> <p>Contact: ANDRITZ AG, Graz, Austria Phone: +43 (316) 6902 pulpaper-service@andritz.com</p>	<p>SCP wear shoes are needed to protect the screw flights.</p> <p>Depending on the different pressure levels the SCP wear shoes can be made of different materials.</p>																	
	<p>Materials that are used in different compression zones:</p> <table border="1"> <thead> <tr> <th>Material</th> <th>Pressure zone</th> <th>Material description</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>Stellit</td> <td>Low</td> <td>Stellit metal</td> <td>SCP-STEL</td> </tr> <tr> <td>Sintered</td> <td>Medium</td> <td>Wolfram-carbide compound</td> <td>SCP-SINT</td> </tr> <tr> <td>Patented ANDRITZ hard metal</td> <td>High</td> <td>Special compound containing carbide</td> <td>SCP-HART</td> </tr> </tbody> </table>			Material	Pressure zone	Material description	Name	Stellit	Low	Stellit metal	SCP-STEL	Sintered	Medium	Wolfram-carbide compound	SCP-SINT	Patented ANDRITZ hard metal	High	Special compound containing carbide
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Benefits and features

New patented hard metal coating for high pressure zones!

ANDRITZ supplies three different wear shoes or wear strip designs, to respond to the demands of each pressure zone accurately. In addition to the stellite and sintered material, ANDRITZ also offers a special hard metal solution.

In the high pressure zone of the SCP the compression level can be up to 15 bar. In this zone the wear shoes are extremely stressed and wear out quickly.

Special patented alloy which is hard enough to reduce wear.

Form closure for maximum impact and easy maintenance.

High ROI

- Less wear shoe changes
- Reduced maintenance costs
- Reduced energy costs

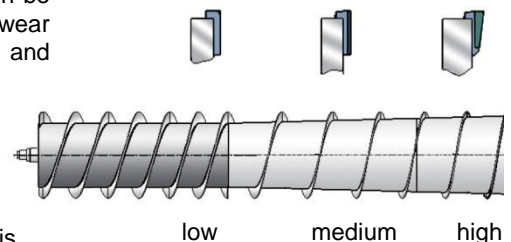
Increased operation reliability

- Insensitive to impact and deformation
- High durability

Patented material with ANDRITZ know-how:

- Wear shoes are coated with patented hard metal for maximum performance and extended life time

Pressure zones



This upgrade can significantly reduce your wear shoe servicing costs! It is especially useful when your current intervals of the wear shoe changes are high.

This upgrade can be done during a planned shut-down.