

Service Information

Screw press wear shoes

Model(s)	All SCP, SCS																
Machine	SCP (Pulp screw press); SCS (Sludge screw press)																
Machine group	Dewatering equipment																
<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 flight 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>Wear shoes are needed to protect the screw flights.</p> <p>ANDRITZ designed different wear shoe protections for different compression zones.</p> 																
<p>Contact: ANDRITZ AG, Graz, Austria Phone: +43 (316) 6902 pulppaper-service@andritz.com</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>Stellite</td> <td>Low</td> <td>Stellite 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	Stellite	Low	Stellite metal	SCP-STEL	Sintered	Medium	Wolfram-carbide compound	SCP-SINT	Patented ANDRITZ hard metal	High	Special compound containing carbide	SCP-HART
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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 screw press the compression level can be up to 15 bar. In this zone the wear shoes are extremely stressed and wear out quickly.

Easy wear shoe application is assured due to special clamps.



Your benefits:

- **High ROI**
due to less wear shoe changes
and reduced maintenance costs
- **Energy savings**
due to less shoe abrasion
- **Increased operational reliability**
due to high durability

