



PULP & PAPER

RELIABLE RECLAIMING OF SMALL MATERIALS

**PowerScrew SLEWING
SCREW RECLAIMER**

The ANDRITZ PowerScrew slewing screw reclaimer is designed to reclaim materials with small particle sizes including wood-based biomass, chips, flakes, bark, peat, sludge, REF (Recovered Fuel), and RDF (Refuse Derived Fuel). It provides uniform and reliable reclaiming from silos with

diameters from 5 to 15 meters. The PowerScrew is a cantilevered slewing screw reclaimer, which has two independent functions: slewing with two torque motors through the stored material around the central point, and reclaiming with the variable speed screw through a chute in the

center. The screw construction allows constant slewing torque with a torque motor for reliable and constant discharge. Together with a heavy-duty screw shaft, the slewing torque exerts constant pressure on the stored material. The unit is capable of powerful slewing even under severe conditions.

ANDRITZ

ENGINEERED SUCCESS

Uniform reclaiming of small particle size materials

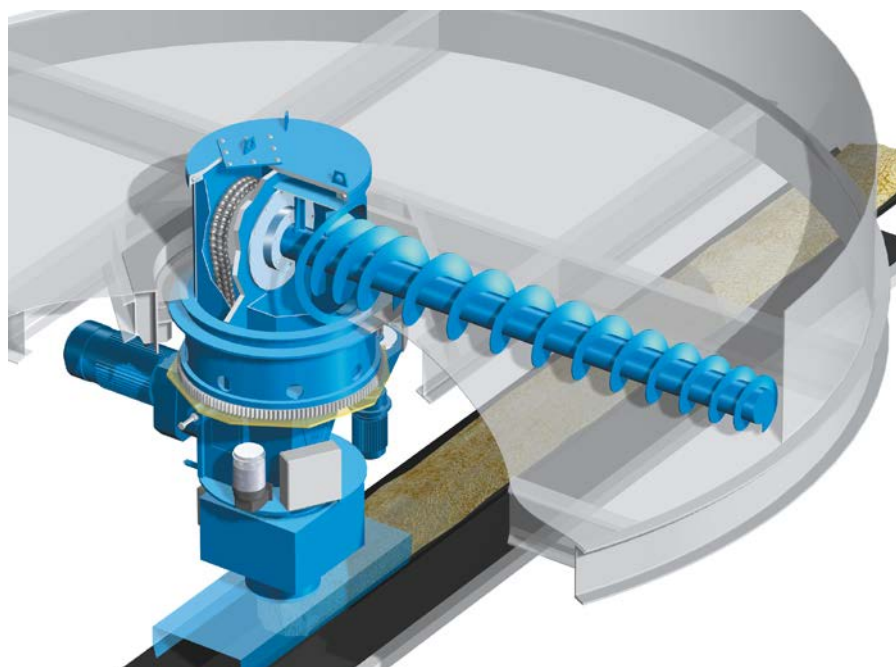
The variable pitch in the flights of the screw ensures uniform reclaiming of the material from the entire bottom area of the silo. The double flights at the discharge end prevent uncontrolled flows into the process.

Main service points and drive components are easily accessible outside the silo. All the wear parts are easy to replace from conveniently accessible service points. The special discharge screw construction enables easy screw replacement during a short shutdown (approximately one work shift). The replaceable sleeve screw – available for silo diameters of up to 9 m – with all the wear parts is bolted onto the solid shaft. Welding is not required when the screw is replaced.

BENEFITS

- Uniform reclaiming
- Highly reliable operation
- Easy access to service points
- Special wear resistant materials

Type	Max. cap. (m ³ /h)	Silo diam. (m)	Max. volume (m ³)
RPC 40	Chips	5 – 8	650
	Bark	5 – 8	350
RPC 60	Chips	8 – 13	2,400
	Bark	7 – 10	700
RPC 80	Chips	8 – 1	2,000
	Chips	12 – 15	2,600
	Bark	8 – 12	1,000



Cutaway view of PowerScrew slewing screw reclaimer

EUROPE

ANDRITZ Oy
Lahti, Finland
p: +358 20 450 5555

NORTH AMERICA

ANDRITZ Inc.
Alpharetta, GA, USA
p: +1 770 640 2500

SOUTH AMERICA

ANDRITZ Brasil Ltda.
Curitiba, Brazil
p: +55 41 2103 7611

ASIA

ANDRITZ (China) Ltd.
Foshan, China
p: +86 757 8296 9222

woodprocessing@andritz.com

ANDRITZ.COM

ANDRITZ

All data, information, statements, photographs and graphic illustrations in this leaflet are without any obligation and raise no liabilities to or form part of any sales contracts of ANDRITZ AG or any affiliates for equipment and/or systems referred to herein. © ANDRITZ AG 2019. All rights reserved. No part of this copyrighted work may be reproduced, modified or distributed in any form or by any means, or stored in any database or retrieval system, without the prior written permission of ANDRITZ AG or its affiliates. Any such unauthorized use for any purpose is a violation of the relevant copyright laws. ANDRITZ AG, Stattegger Strasse 18, 8045 Graz, Austria. PowerScrew 1.1/09.2019 EN/A4

