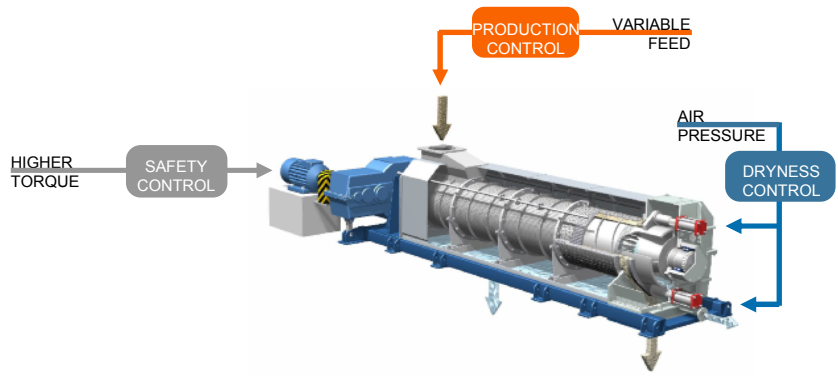


Service Information

Screw Press Control System

Model(s)	all SCP models
Machine	Pulp Screw Presses
Machine group	Dewatering and Bleaching
The challenge	<p>Instability in Screw Press performance such as reduced outlet consistency or plugging is detrimental to your pulp mill operation.</p> <p>Screw Press operation can be optimized through advanced control strategy which will provide the best output / discharge consistency for any given set of operating parameters.</p>
The ANDRITZ solution	<p>Andritz patented Screw Press Control System</p> <p><i>...a control strategy, that guarantees the safe run of the press at the maximum production level without the risk of plugging!</i></p> <p>Our control experts have developed suitable control strategy to make the operation of screw presses adaptive with improved runnability. This patented screw press control maintains a smooth operation with maximum throughput, no power variations, and extended machine uptime.</p>
Contact: ANDRITZ AG, Graz, Austria Phone: +43 (316) 6902 pulppaper-service@andritz.com	 <p>The diagram illustrates the control system for a screw press. It features a central screw press unit with a motor on the left. A 'SAFETY CONTROL' block is connected to the motor. A 'PRODUCTION CONTROL' block is connected to the top of the press, which also receives 'VARIABLE FEED'. An 'AIR PRESSURE' block is connected to the right side of the press. A 'DRYNESS CONTROL' block is also connected to the right side of the press. A 'HIGHER TORQUE' block is connected to the motor.</p>

Screw Press Control System

Benefits and features



- *Production controlled speed for fast reaction*
- *Dryness control by counter-pressure system modulation*
- *Prevents plugging*
- *Feed pressure interlocking*

This control strategy is Andritz state-of-the-art technology for all newly delivered screw presses. In combination with the back pressure unit, which has a connection to the torque and speed controller, a very safe and reliable control system can be installed.

Our customers are very satisfied with this control system!