



# INCREASED WIRE LIFETIME

## Press Roll Stopper for twin wire presses

In many twin wire presses, each pair of press rolls is pressure-loaded with the help of hydraulic cylinders that generate the pressure in the press nip. If – for whatever reason – the press is operated with pressure-loaded press nips but no pulp, the wires may be damaged. Such incidents can affect dewatering efficiency and consider-

ably reduce the lifetime of the wires. ANDRITZ has launched the new Press Roll Stopper, a hydraulic cylinder with integrated, adjustable, mechanical stroke limitation. A press nip safety gap can be set with each pair of Press Roll Stoppers so that the wires can no longer be damaged. Five twin wire presses around the world have already

been upgraded with the new Press Roll Stoppers. In 2019, a European paper mill agreed to install the first complete set of Press Roll Stoppers in one of their twin wire presses. The outcome in terms of operating reliability was so convincing that they decided to equip a second press with the new cylinders and reduce the risk of wire damage.

**ANDRITZ**

# Press Roll Stopper

## No risk of wire damage

### THE ANDRITZ SOLUTION

With the new Press Roll Stopper, the exact stroke of the cylinder can be limited and adjusted within a range of  $\pm 10$  mm. This ensures a minimum gap between the top and bottom press rolls when the press nip is pressure-loaded (without pulp). The wire edges will no longer be damaged.

The ANDRITZ Press Roll Stoppers can basically replace any hydraulic cylinder in the press section. Only the cylinders themselves need to be exchanged, and this can be completed within one shift. A set of adjusting tools for setting the cylinder stroke correctly is delivered along with the Press Roll Stoppers.

### BENEFITS

- Increased lifetime of wires
- Better roll cover durability
- Replacement of existing cylinders without machine rebuild
- Easy adjustment
- Simple mechanical solution with no impact on the hydraulic or control system



Typical damage at the wire edge



New Press Roll Stopper: press nip safety gap can be adjusted

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# ANDRITZ

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