

Press Release

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Voith develops pulp drying machine with energy-saving dryer section

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- **Voith now offers complete pulp drying machines**
- **A patented vertical dryer section guarantees more effective and more resource-conserving production**
- **Customers can use the only complete pilot machine worldwide for their own tests at Voith**

Voith now offers complete pulp drying machines, from headbox to the cross cutter and bale packing and thus is further expanding its technological leadership. What is new and unique is the vertical arrangement of the rolls in the dryer section. This valuable innovation is patented by Voith, saves energy and leads to a much higher evaporation.

The goals of ensuring higher productivity and lower resource consumption were achieved. The installed former ensures that the web enters the dryer section with a much higher dry content. Since mechanical dewatering is less expensive than thermal dewatering, the customer is thus offered a clear advantage.

Steam consumption in the dryer section is reduced compared to conventional sections. Due to more efficient evaporation, the temperature of the web in the dryer section has also been reduced. Another benefit of the higher evaporation rate is the reduced size of the dryer and therefore of the building. High energy and cost savings are thus achieved.

The case of the Brazilian pulp manufacturer Lwarcel Celulose in Lençóis Paulista demonstrates a further series of advantages with the vertical arrangement of the dryer section. Altogether, the vertical arrangement is substantially more space-saving. Lwarcel installed the vertical dryer section directly after its existing conventional dryer section – and with a running drying machine. In addition, the pulp manufacturer confirms that the vertical dryer section has an extremely practical side-effect when there is a web

break: the broke web doesn't build up between the rolls, but instead simply falls through the vertical arrangement. Cleaning takes only minutes rather than hours.

The pilot machine in São Paulo illustrates the entire pulp drying process and offers Voith customers the chance to conduct their own test runs. In the area of pulp drying technology Voith offers many years of experience. Since 1998, NipcoFlex presses have been installed in pulp drying machines. The quality of the products is reflected in a high market share for the shoe presses for these machines. But in the future, Voith will no longer provide just individual components but rather the entire production line.

Voith Paper is a division of the Voith Group and the leading partner to and pioneer in the paper industry. Through constant innovations, Voith Paper is optimizing the paper manufacturing process, focusing on developing resource-saving products to reduce the use of energy, water, and fibers.

Voith sets standards in the markets energy, oil & gas, paper, raw materials and transportation & automotive. Founded in 1867, Voith employs almost 42,000 people, generates € 5.7 billion in sales, operates in about 50 countries around the world and is today one of the biggest family-owned companies in Europe.

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