

Press Release

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Norske Skog Bruck PM 4: improved dryness and better runability

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After the installation of a Voith EvoFlow P suction press roll in September 2012 the dryness at the Norske Skog Bruck PM 4 could be increased by 0.5%. Additionally, the web draw after the third press, as well as the start-up behavior of the felts, were considerably improved.

In a first step Norse Skog Bruck GmbH commissioned Voith to examine whether dryness could be increased on its PM 4 by at least 0.5% after the fourth press. A stock analysis performed by Voith revealed that this may be achieved by increasing the line load in the first and second press.

Since the specifications of the existing suction press roll did not meet the new requirements resulting from the increased line load, Norske Skog Bruck ordered the installation of a new EvoFlow P suction press roll with a SolarFlow high-capacity roll cover from Voith. This polyurethane roll cover features a modified groove dimension, helping to increase drainage significantly.

The new roll dimensions were designed for a nip load of 120 kN/m. The existing bearing housings could be re-used. In addition, a mechanical deckle adjusting unit was installed in the low-vacuum zone.

PM 4 produces 275,000 t of LWC paper per year in a basis weight range of 34 to 54 g/m², the operating speed is 1,400 m/min.

EvoFlow P suction press rolls stand out for their particularly high drainage capacity, high-quality materials and minimum wear. SolarFlow polyurethane suction press roll covers feature a highly effective surface design with increased void volume for optimum drainage. The surface

design can be specifically adapted to any application. Hardness and surface stability allow long grinding intervals.

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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