

Media Release

Voith Paper

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Roll cover technology from Voith: latest development AiroDry H for guide rolls in the dryer section

- The new AiroDry H roll cover perfectly combines the various requirements for a guide roll cover in the dryer section.
- AiroDry H has excellent temperature-resistance and is suitable for all applications inside the dryer hood.
- The roll cover is especially resistant to abrasion, static build up and corrosion, which can therefore result in the prolonged life of dryer fabrics.

HEIDENHEIM, Germany. Guide rolls are used throughout the paper machine and must therefore meet a wide variety of requirements. In the dryer section the primary task is to safely guide either dryer fabrics or the paper sheet through the machine. Once the rolls become corroded, worn or contaminated, there is an increased risk to paper machine efficiency through sheet breaks. The life of the dryer fabrics could be reduced either by contamination from the guide roll or by abrasion. Guide rolls which are in an extreme condition could break causing unplanned downtime. With several decades of expertise in roll covers, Voith therefore complements its product portfolio for guide rolls with the new AiroDry H roll cover.

Advanced technology for guide rolls

AiroDry H is made of a fiber composite material. It has antistatic and highly abrasion resistant properties. It is temperature-resistant up to 130 °C, higher than the surrounding temperatures which guide rolls are subjected to. The new roll cover has excellent load bearing properties and its smooth surface finish ensures a gentle handling of the fabrics.

"The introduction of AiroDry H is the result of a long development program to find the optimum fiber composite guide roll for the dryer section. The new roll cover is resistant up to high temperatures of 130 °C. AiroDry H is a very competitive cover for guide rolls that are already in poor condition and cannot easily be thermal coated. AiroDry H offers a good alternative

and opens up new possibilities," explains Carl Taylor, Global Product Manager Dryer Section Fabric & Roll Systems at Voith.

Excellent material properties

AiroDry H is available for all dryer sections and can be used on both steel and carbon rolls. It provides a cost-effective solution for extending the service life of damaged or corroded guide roll shells. Together with Voith's individual clothing and doctor blades, a tailored solution can be found to raise the performance and safety of paper machines.

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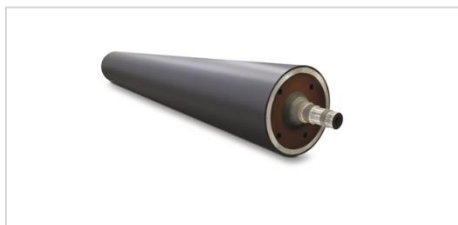
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About the Voith Group

The Voith Group is a global technology company. With its broad portfolio of systems, products, services and digital applications, Voith sets standards in the markets of energy, oil & gas, paper, raw materials and transport & automotive. Founded in 1867, the company today has more than 20,000 employees, sales of € 4.2 billion and locations in over 60 countries worldwide and is thus one of the larger family-owned companies in Europe.

The Group Division Voith Paper is part of the Voith Group. As the full-line supplier to the paper industry, it provides the largest range of technologies, services and products on the market and offers paper manufacturers holistic solutions from a single source. The company's continuous stream of innovations facilitates resource-conserving production and helps customers minimize their carbon footprint. With its leading automation products and digitalization solutions from the Papermaking 4.0 portfolio, Voith offers its customers state-of-the-art digital technologies to improve plant availability and efficiency for all sections of the production process.



The new AiroDry H guide roll cover is resistant to abrasion, corrosion and static. Its temperature-resistance up to 130 °C ensures performance within the dryer section.

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