

Media Release

Voith Group

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Voith edge trim concept yields excellent results in its first reference in Latin America

- Reference unit was installed for paper manufacturer GreenPaper, headquartered in San Nicolás de los Garza, Mexico
- Edge trim provides significant white fiber recovery and savings
- Benefits include improved formation and final paper appearance, as well as clean wire edges and significantly fewer web breaks

SÃO PAULO, Brazil. Since January 2017, paper manufacturer GreenPaper, headquartered in the city of San Nicolás de los Garza, Nuevo León, Mexico, has been operating with Voith's EdgeExpert edge trim concept on the wire section of its PM3's top ply. The paper manufacturer is Latin America's first reference for this solution.

The EdgeExpert unit has provided significant raw material savings for GreenPaper, and its results have exceeded the customer's expectations.

"Directly recovering the white fibers from the edges of the top ply before it is mixed with other lower quality stock provides a significant recovery of 70 to 80 tons of white fiber every month," says Federico Chávez Gómez, Engineering and Mechanical Project Manager for GreenPaper.

"EdgeExpert keeps the edges of the top-ply wire clean, preventing web breaks caused by fiber accumulations on the wire, as well as improving formation and the final appearance of the paper edges after the coating process," he concludes.

EdgeExpert trims the edge of the stock jet before it lands on the wire, continuously returning it to the virgin fiber stock circuit. The width of the edge can be adjusted to meet each paper grade's specific needs. By collecting the stock edges directly through the whitewater pan, the system prevents these fibers from mixing with the stock from other plies. This

allows for significant fiber recovery and reuse, translating into significant operational savings. EdgeExpert's nozzle design also ensures low water consumption.

Installing the EdgeExpert edge trim concept is easy and cost-effective – no matter the original machine manufacturer. Assembling the unit only takes a few hours and can be carried out during a regular shutdown. With its bold design, EdgeExpert features dispersion tubes for continuous cleaning and acts as a format limiter for the initial drainage zone, while also avoiding waves in the fiber suspension and, consequently, variations in CD weight profile.

Voith's know-how and experience as a full-line supplier to the paper industry was instrumental in understanding the customer's needs and determining what was necessary to carry out this project.

"The customer's satisfaction with the achieved results confirms that EdgeExpert is an excellent choice for manufacturers seeking to save on raw materials and improve their paper production performance. Voith has much to contribute to the optimized performance of sustainable and cost-effective projects," says Antonio Lemos, President of Voith Paper Products & Services South America.

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 19,000 employees, sales of € 4.2 billion and locations in over 60 countries worldwide and is thus one of the large 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, components and products on the market and offers paper manufacturers solutions from one single source. The company's continuous stream of innovations takes papermaking to the next level and facilitates resource-conserving production. With its Servolution concept, Voith offers its customers tailored service solutions for all sections of the production process. Voith Papermaking 4.0 ensures that equipment is optimally connected, while the secure use of generated data enables paper manufacturers to improve plant availability and efficiency.

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The EdgeExpert unit from Voith has provided significant raw material savings for the customer, and its results have exceeded expectations.

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