

Media Release

Voith Paper

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New CleanLine Extract360 fabric cleaning system from Voith maximizes dryer section cleanliness, sheet runability and machine efficiency

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- Improved cleaning and better waste-water removal using optimized flow technique
- Increased and consistent high performance through generative shaping
- Customers report excellent cleaning results and efficiency gains

HEIDENHEIM. With the CleanLine Extract360, leading full-line supplier Voith is launching a new, highly effective fabric cleaning system for the dryer section of paper machines. The innovative system is designed to overcome limitations of conventional dryer fabric cleaning, enabling excellent cleaning results, reliably removing wastewater, and extending fabric life by reducing cleaning pressure. By keeping the fabric, the cleaning system itself and the entire machine environment cleaner, the technology makes a significant contribution to the runability of the system and reduces the risk of paper defects.

The increasing processing of recycled fibers in paper production leads to higher contamination of the fabrics, rolls and equipment in the dryer section, thereby adversely affecting machine efficiency and paper quality. For optimum cleaning results and maximum machine performance, Voith's proven Extract cleaning concept is based on a combination of two principles: First, multidirectional cleaning removes contamination both on the surface and in the structure of the fabric. Second, the positioning of the cleaning head after the roll enables additional dirt removal on the non-paper side of the fabric.

"The newly developed Extract360 cleaning head builds on the market-proven principles of CleanLine Extract4D and provides even more ways to reduce the negative effects of contamination in the dryer section," explains Nick Lampart, Product Manager at Voith Paper.

- Edges and joints of conventional cleaning heads facilitate the accumulation of contamination during production. The generative design of the Extract360 cleaning head minimizes these interference points, avoiding self-contamination and ensuring consistently high cleaning performance.
- The flow-optimized vacuum channel of CleanLine Extract360 is merged directly with the cleaning zone, enabling improved removal of wastewater and ensuring maximum functionality and reliability between maintenance shutdowns.
- With flow-optimized high-pressure channels, the jet quality of the cleaning nozzles is significantly improved. Based on specific customer requirements, this enhancement can either increase the cleaning effect at the same pressure level or achieve an equivalent result at even lower pressures, reducing strain on the fabric.

The technology is already in use in several paper mills where operators have observed significant improvements in fabric cleaning and confirmed efficiency gains following the system's installation. CleanLine Extract360 is available as part of a complete cleaning system or as an upgrade to existing DuoCleaner or CleanLine Systems to achieve higher cleaning effects and better wastewater removal. With an upgrade, most of the original components can be retained.

Voith's CleanLine portfolio includes cleaning solutions for the forming, press, dryer and coating sections of the paper machine. Continuous development of these systems is aimed at achieving the best cleaning performance combined with high ease of maintenance and machine availability. More information at: <https://voith.com/corp-de/papermaking/cleanline.html>

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, paper, raw materials and transport. Founded in 1867, Voith today has around 22,000 employees, sales of € 5.2 billion and locations in over 60 countries worldwide and thus is one of the larger family-owned companies in Europe.

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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 integrated solutions from a single source. The company's continuous stream of innovations facilitates resource-conserving production and supports customers in significantly reducing their carbon footprint. With its comprehensive automation products and leading digitalization solutions from the Papermaking 4.0 portfolio, Voith offers its customers state-of-the-art digital technologies to improve the availability and efficiency of their systems in all sections of the production process.

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The new CleanLine Extract360 cleaning system from Voith stands for particularly effective cleaning of dryer fabrics and optimum removal of wastewater.

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