

## Media Release

Voith Paper

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### **New compact and powerful DuoShake 800 DG optimizes cross dimensional strength as well as formation of all paper grades**

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- DuoShake 800 DG contributes to excellent formation of all paper grades and a low break length ratio
- Reduced basis weight due to improved strength values and increased production speed due to optimized dewatering
- Compact and reliable design with state-of-the-art automation and control technologies as well as efficient digitization solutions

**HEIDENHEIM, Germany.** The shaking unit DuoShake, already established on the market for decades, is now available with an 800 nM drive motor and the latest control and automation technologies. This complements the DuoShake DG designed for 250 nM, with both variants now achieving a stroke length of up to 35 mm. The DuoShake 800 DG optimizes the alignment of the fibers in the cross direction and contributes to a homogeneous fiber distribution through a high-frequency shaking of the breast roll. This guarantees excellent formation of all paper grades and higher paper strength in the cross direction. The innovative shaking unit builds on several design innovations that enable increased paper quality and production speed. For example, the base only has to support the unit's own weight. In addition, the design avoids reaction forces being transmitted to the foundation, headbox or wire section. The DuoShake 800 DG system is extremely robust, compact and requires very low maintenance.

Customers worldwide have been convinced by the shaking system, including an American recycled linerboard producer who wanted to optimize the sheet strength and basis weight of the paper – at maximum machine speed. "After installing and activating the DuoShake DG, the customer achieved an immediate increase in CD strength, which enabled a significant reduction in basis weight," says Mitch Kilmer, Director Paper Machine Applications Voith Paper North America. "The resulting increase

in MSF yield per ton allowed for a very short payback time on the investment."

### **Cutting-edge technology meets digitalization**

The DuoShake DG combines in-depth technical know-how for an efficient manufacturing process with optimized digitalization technologies from the Voith Papermaking 4.0 portfolio. Future paper production requirements are safely met and supported. "By adjusting the shake stroke or frequency, the optimum performance can be achieved during ongoing operation thanks to Voith expertise," adds Hannes Slawik, Global Product & Service Management Forming Section at Voith Paper. "In addition, customers benefit from the convenient and intuitive control system with state-of-the-art monitoring functions." As required, the DuoShake also generates a monthly performance and maintenance report, giving customers a practical overview of their plant.

### **Two sizes for individual requirements**

The DuoShake DG is available in two sizes with drive motors of 250 or 800 Nm. The most suitable type and size can be determined roughly with the aid of the operating characteristic diagram and then on site. The DuoShake 800 DG, in particular, is characterized by its very compact design, combined with high performance.

To learn more about the new DuoShake 800 DG, find information, including a product video, at <https://voith.com/corp-en/papermaking/duoshake-digital-generation.html>.

Download the DuoShake case study:

<https://d2euiryrvxi8z1.cloudfront.net/asset/445934742530/164b1ee681aa9a3398e2da991ee958df/vp1549-english.pdf>.

### **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

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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.



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