

## Media Release

Voith Group

Mailing address:  
Voith GmbH & Co. KGaA  
Group Communications  
St. Poeltener Strasse 43  
89522 Heidenheim, Germany  
Tel. +49 7321 37-9294  
Fax +49 7321 37-139294  
[www.voith.com](http://www.voith.com)

2019-07-18

### Ready for the future of papermaking with DuoShake Digital Generation

- Papermaking 4.0: Voith shaking unit transitions to digital age
- Several new features like real-time data monitoring, even via mobile devices
- Improved process reliability and machine availability

**HEIDENHEIM, Germany.** With its new DuoShake DG (Digital Generation), Voith is taking the next step on its journey to Papermaking 4.0. The control and automation functions of the shaking unit for optimum fiber orientation during sheet formation have been comprehensively upgraded to equip the system for the future of paper production. The new features significantly improve process reliability and machine availability.

With more than 20 years on the market, the Voith DuoShake has been indispensable in helping paper producers to improve paper quality and process efficiency. The system optimizes fiber orientation through high-frequency shaking of the breast roll, which results in excellent sheet formation of all paper grades and a low tensile strength ratio. Thanks to this product update, papermakers can now benefit from several new user-friendly operating features as well as smart automation functions.

#### Real-time data monitoring

All relevant operating parameters can now be entered on site via a fixed operator panel or optional use of mobile devices like tablets or smartphones. The web-based software used is a customized development from Voith. For maximum transparency, a cockpit interface provides users with a real-time display of all main parameters, for instance availability, stroke accuracy and drive frequency.

## **Modern data visualization**

The visualization of the elements displayed is state-of-the-art and well-arranged; the touch controls are very intuitive. Important information – for example on hydrostatic pressure as well as air, oil and motor temperature – is presented as an easy-to-see traffic light system. A customizable notification system for warning messages allows for fast response times if needed.

Voith Group

Mailing address:  
Voith GmbH & Co. KGaA  
Group Communications  
St. Poeltener Strasse 43  
89522 Heidenheim, Germany  
Tel. +49 7321 37-9294  
Fax +49 7321 37-139294  
[www.voith.com](http://www.voith.com)

Page 2 of 4

## **Remote monitoring using mobile devices**

Convenient remote monitoring means all operating parameters and other machine data can be viewed from mobile devices (Android, iOS) anywhere and at any time. Access permissions can be defined individually for each user.

## **Optimized service function for maintenance**

DuoShake DG records actual operating times. Real-time data on maintenance intervals and service life of the most important machine components, like motor and coupling, ensure a simplified yet reliable maintenance planning process. The actual operating condition is known at all times. If maintenance becomes necessary, the shutdown can be planned and scheduled to be as efficient as possible.

## **Trend analysis and cloud connection**

DuoShake DG features an innovative trend function for identifying and analyzing faults. In the event of faulty operation, an instantaneous evaluation allows for immediate intervention. With the help of a context analysis designed for a longer period of time, processes can also be systematically optimized.

As an optional service from Voith, an interface can be used to provide a connection between DuoShake DG and the Voith digital platform OnCumulus – a scalable, flexible and expandable data hub for the Industrial Internet of Things (IIoT). The transmission of data and trends to Voith and an analysis and tweaking of the operating parameters by Voith experts result in increased availability, which then improves the overall efficiency of the paper machine.

For more information about DuoShake DG, visit the Voith website:

[www.voith.com/duoshake](http://www.voith.com/duoshake)

## 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.

Voith Group

Mailing address:  
Voith GmbH & Co. KGaA  
Group Communications  
St. Poeltener Strasse 43  
89522 Heidenheim, Germany  
Tel. +49 7321 37-9294  
Fax +49 7321 37-139294  
[www.voith.com](http://www.voith.com)

Page 3 of 4



New control and automation functions increase process reliability and machine availability.



The software developed by Voith offers clear visualization and intuitive operation.

## Contact

Katja Stutzmiller  
Group Communications  
Voith GmbH & Co. KGaA  
Tel. +49 7321 37-9294  
Katja.Stutzmiller@voith.com

Voith Group

Mailing address:  
Voith GmbH & Co. KGaA  
Group Communications  
St. Poeltener Strasse 43  
89522 Heidenheim, Germany  
Tel. +49 7321 37-9294  
Fax +49 7321 37-139294  
www.voith.com

## Twitter

<https://twitter.com/voithgroup>  
[https://twitter.com/voith\\_hydro](https://twitter.com/voith_hydro)  
[https://twitter.com/voith\\_paper](https://twitter.com/voith_paper)  
[https://twitter.com/voith\\_turbo](https://twitter.com/voith_turbo)  
[https://twitter.com/Voith\\_Digital](https://twitter.com/Voith_Digital)  
[https://twitter.com/Voith\\_Career](https://twitter.com/Voith_Career)

## LinkedIn

<https://www.linkedin.com/company/voithgroup>  
<https://www.linkedin.com/company/voith-hydro>  
<https://www.linkedin.com/company/voith-turbo>  
<https://www.linkedin.com/company/voith-paper>  
<https://www.linkedin.com/company/voith-digital>  
<https://www.linkedin.com/company/voith-robotics>

## YouTube

<https://www.youtube.com/voithgroup>

## Instagram

<https://www.instagram.com/voithgroup/>