

Media Release

Voith GmbH & Co. KGaA
Group Communications
St. Poeltener Strasse 43
89522 Heidenheim, Germany
Tel. +49 7321 37-8303
Fax +49 7321 37-7110
www.voith.com

Page 1 of 4

Voith presents efficient products and services for the mining and construction industry at bauma 2019

2019-03-14

- **BeltGenius products significantly optimize belt conveyor performance and operating cost**
- **New Dtect system provides real-time data of driveline performance and coupling status**
- **Compact, temperature-resistant and highly versatile H couplings increase availability and reduce life cycle costs**

MUNICH, Germany. Voith presents its newest developments for the mining and construction industry at bauma 2019 in Munich. In hall C2, booth 239, Voith will showcase its wide portfolio of product and service solutions that help to make mining operations and construction equipment more efficient.

Due to their high reliability, products from Voith are well known in the industry. Voith has further expanded its portfolio to digital products that enable operators to further increase their driveline performance in various applications.

Software and service solutions optimize belt conveyor performance

The BeltGenius family was introduced to optimize processes for miners. Voith's BeltGenius ERIC software solution allows mine operators to see at a glance the efficiency of their conveyor belt systems at any time. The gathered data provide them with numerous starting points to ensure the optimum use of their system, thus reducing operating costs.

BeltGenius ALEX analyzes the alignment of carrying idlers in conveyor systems as part of its service portfolio. As soon as the system sensors detect a deviation from the set values during their temporary measurement, the system reports the problem and provides specific solution suggestions to mine operators.

Smooth startup of belt conveyors with hydrodynamic couplings

Voith introduces the latest addition to its TurboBelt TPXL range of fill-controlled couplings, as the portfolio now includes 500 kW, 800 kW and 1250 kW versions. The integrated controller matches the output torque exactly to the startup parameters of the belt conveyor system, thus reducing wear and increasing service life. Due to its high power density, the TurboBelt TPXL range requires only half the volume of conventional couplings and therefore can be easily integrated into drive trains.

Voith GmbH & Co. KGaA
Group Communications
St. Poeltener Strasse 43
89522 Heidenheim, Germany
Tel. +49 7321 37-8303
Fax +49 7321 37-7110
www.voith.com

Page 2 of 4

Added intelligence to torque limiting couplings

Voith presents Dtect, an intelligent system that provides real-time data of driveline performance and coupling status. It enables comprehensive monitoring of torque limiting couplings and helps to increase productivity as well as significantly lower production and maintenance costs. The system was specifically designed to work with Voith couplings, which serve to prevent machine damage in high-value rotating equipment. Further, it can be easily integrated into established process information networks as well as an update to existing couplings. The HMI touch panel offers highest usability, better control and status information for operators and uses visual warning indicators to assist in decision-making.

Temperature-resistant, versatile couplings for construction vehicles

H couplings from Voith feature two damping systems working in parallel: a spring-mass system and a viscous-hydraulic damping system. The couplings are very compact, temperature-resistant and highly versatile, resulting in the highest reliability for drivelines. They also dampen torsional vibrations and torque shocks in the driveline as well as increase the operational stability and service life of construction vehicles. This optimizes availability and reduces life cycle costs for operators.

Further, radially arranged steel compression springs transfer the torque from the engine to the driven components. Additional damping grease generates high damping values, and the complete coupling operates virtually wear-free, leading to very long uptimes. This keeps service and maintenance costs at low levels. H couplings can be found in main drives for wheel loaders, dump trucks and mobile cranes, among others.

About the company

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.

Voith GmbH & Co. KGaA
Group Communications
St. Poeltener Strasse 43
89522 Heidenheim, Germany
Tel. +49 7321 37-8303
Fax +49 7321 37-7110
www.voith.com

The Group Division Voith Turbo is part of the Voith Group and a specialist for intelligent drive solutions, systems as well as comprehensive services. Customers from highly diverse industries such as oil and gas, energy, rail and commercial vehicles, ship technology, mining and mechanical engineering rely on the advanced technologies and solutions-driven expertise of Voith.

Page 3 of 4



Caption 1: BeltGenius ALEX analyzes the alignment of carrying idlers in conveyor systems and reports the problem to mine operators.



Caption 2: The Voith TurboBelt TPXL range requires only half the volume of conventional couplings to achieve the same force transmission.



Caption 3: Dtect provides real-time data of driveline performance as well as coupling status and enables operators to identify and avoid potential problems.



Caption 4: H couplings dampen torsional vibrations and torque shocks in the driveline and increase the service life of heavy construction equipment.

Contact:

Robin Wankerl

Global Market Communication Manager

Tel. +49 7321 37-8303

Robin.Wankerl@voith.com

Voith GmbH & Co. KGaA
Group Communications
St. Poeltener Strasse 43
89522 Heidenheim, Germany
Tel. +49 7321 37-8303
Fax +49 7321 37-7110
www.voith.com

Page 4 of 4

Twitter

<https://twitter.com/voithgroup>
https://twitter.com/voith_hydro
https://twitter.com/voith_paper
https://twitter.com/voith_turbo
https://twitter.com/voith_digital
https://twitter.com/Voith_Career

Instagram

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

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/>

Facebook

<https://www.facebook.com/VoithGlobal/>

YouTube

<https://www.youtube.com/user/VoithTurboOfficial>
<https://www.youtube.com/user/VoithPaperEN>
https://www.youtube.com/c/Voith_Hydro