

Media Release

Voith Group

Mailing address:
Voith GmbH & Co. KGaA
Group Communications
St. Poeltener Strasse 43
89522 Heidenheim, Germany
Tel. +49 7321 37-6995
www.voith.com

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SmartGrinder: Voith introduces new refurbishment service for screw presses

- Full restoration of original screw performance with SmartGrinder
- Reduction of downtimes by up to 20%
- No need to dismantle the screw or to use spare screws

HEIDENHEIM, GERMANY. Voith's new refurbishment service for screw presses enables the full restoration of screw performance and reduces downtimes by up to 20% compared to conventional repair methods. With SmartGrinder, the new refurbishment service, customers can restore original screw performance and achieve an optimum balance between operating costs and technological performance – a decisive factor for paper quality and cost efficiency in paper production.

SmartGrinder: restoration of original screw performance and reduced downtimes

SmartGrinder is a modular system that can be set up during operation according to the size and requirements of the screw press to be serviced in order to minimize downtime and production losses. Before proceeding with the repair, a detailed digitized condition measurement is carried out for the screw stem and flights. This allows a professional analysis of the existing wear pattern, indicating the areas that require additional attention.

The design of the SmartGrinder allows a fast and highly precise restoration of the press screw diameter. "It can thus follow the flight geometry exactly, reducing downtimes by up to 20% compared to conventional repairs," says Geert Tichler, Senior Product Management / Global Expert / Refurbishment Technologies, Voith Paper. "As our service provides the flights with the required sharp edges, this results in an optimum removal from the fibermat."

No need to dismantle the screw or to use spare screws

After the first service, the SmartGrinder can be replaced even faster because the assembly plates remain on the screw press. In addition, all new Voith screw presses are already equipped with designated assembly plates, allowing fast and specialized Voith on-site services. When repaired using the SmartGrinder, there is no need to dismantle the screw or to use spare screws, and costly screw transport is eliminated.

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Expansion of Servolution portfolio with refurbishment services

The SmartGrinder ideally complements Voith's Servolution portfolio. Similar systems for the reconditioning of product geometries are already in use not only for screw presses but also, for example, for disc filter centershaft repairs.

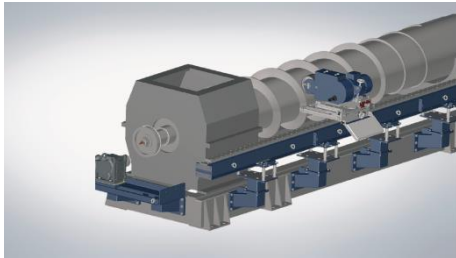
Page 2 of 3

For further information about our optimization services for screw presses please visit: <http://voith.com/corp-en/screw-press-optimization.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, oil & gas, paper, raw materials and transport and automotive. Founded in 1867, the company today has more than 19,000 employees, sales of € 4.3 billion and locations in more than 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, components and products on the market, and offers paper manufacturers solutions from a 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.



SmartGrinder enables customers to restore original screw performance and achieve an optimum balance between operating costs and technological performance.

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Page 3 of 3

Contact

Julia Schaefer

Global Market Communication Manager

Tel. +49 7321 37-6995

Julia.Schaefer@voith.com

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