

Media Release

Voith Paper

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Automatic outer layer gluing system TailFix leads to more efficient reeling process and improved work safety during parent roll change

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- Minimization of flying paper shreds during parent roll changes and thus less waste and fewer paper breaks and malfunctions at the reel, winder and calender
- Short installation time and easy maintenance
- Installation on existing and new paper machines for graphic paper, board and packaging on MasterReel or Sirius reeling systems

HEIDENHEIM. For a more efficient and stable paper production, Voith presents the new automatic outer layer gluing system TailFix. In the edge area of the parent roll, the solution reliably fixes the loose paper ends with a special glue and thus prevents the occurrence of flying paper ends. Paper breaks, rejects and malfunctions at the reel, winder and calender can thus be prevented. At the same time, automatic outer layer gluing reduces the amount of cleaning required, thereby increasing work safety in the area of the reel. Within a short time, the compact and space-saving TailFix system can be installed on the MasterReel and Sirius on new and existing paper machines for graphic paper as well as board and packaging.

"The implementation of TailFix was easy and smooth," says Andreas Jäger, mill manager at MM Neuss GmbH. "The improvement is remarkable – since we started using Voith's automatic outer layer gluing system, we have had no web breaks due to flying paper shreds during our reeling process. In addition, we now have significantly less downtime on the reel and winder."

During designing, Voith paid special attention to an extremely compact and space-saving design as well as good accessibility for service and maintenance. The cold glue used was specially developed for this application and is characterized by an extremely fast and strong adhesive

effect. In addition, the glue meets all essential environmental and food safety requirements, enabling it to be repulped without leaving residues.

The application is already being used by several customers globally. "Before we installed TailFix, we manually tried to keep paper shreds out of critical areas during operation at high production speeds," says Hongtao Li, Production Manager for Shanying Huazhong PM 22. "Now, with the automatic glue application system, this is no longer necessary. With the help of TailFix, we have been able to significantly increase our work safety and machine efficiency during reeling. Because paper shreds no longer get into the winder either, efficiency in downstream processes has also been improved."

The TailFix system combines perfectly with the EcoChange W turn-up system, which is installed on the Sirius and MasterReel. The EcoChange W enables a turn-up efficiency of over 99 percent and a significant increase in machine performance. Over the entire life cycle, Voith experts offer suitable services at regular intervals.

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 & automotive. Founded in 1867, the company today has around 20,000 employees, sales of € 4.3 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 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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With the help of the TailFix, paper ends can be reliably fixed. The picture shows the condition without outer layer gluing on the left and the optimized condition after using the TailFix automatic gluing system on the right.

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Page 3 of 3

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