

Case study

Voith Paper

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Targeted technology upgrade on Mondi Świecie's PM 5 boosts efficiency

2025-05-28

- Improvements in product quality and productivity strengthen the mill's profile.
- The upgrade included the installation of a new DuoShake DG800, a Tandem NipcoFlex, and a customized tail threading and cutting system.

ŚWIECIE, POLAND / HEIDENHEIM. [As previously announced](#), Mondi has successfully completed a comprehensive modernization of the PM 5 paper machine at its containerboard mill in Świecie, Poland. The project, which included a variety of technological upgrades, was completed on schedule and the improvements in product quality and productivity strengthen the mill's profile. The machine produces the two containerboard grades ProVantage Kraftliner and ProVantage SmartKraft Brown and its modernization enables Mondi to better meet the growing customer demand for heavy-duty packaging.

"The completion of this project marks a milestone for Mondi Świecie, enabling us to advance our operations and deliver even higher-quality paper to our customers. I am proud of the team's exceptional skills and commitment, which were crucial in achieving these goals, and we valued the strong partnership with Voith on this important project" said Tomasz Katewicz, Managing Director of Mondi Świecie.



Project teams of Mondi and Voith in front of the PM 5

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The upgrade included the modification of both headboxes, the installation of a new DuoShake DG800 system and a Tandem NipcoFlex press including a ModuleSteam steam blow box. In addition, a new PrevoCut water jet tail cutter and a TrimSquirt edge trimming system from the Prevo family were installed, along with a customized tail threading system. Modifications were made to the dryer section to reduce vibration and maximize drying capacity. Voith also supplied a complete package of paper machine clothing, including forming fabrics, press felts and press sleeves for the start-up and optimization phase of PM 5.

The scope of supply for the approach flow system included a new IntegraGuard screen for thick stock and the overhaul of the existing screen for the dilution water line in the back ply, as well as a new C-Bar screen basket. In addition, a new HiClean HCL5 cleaner system with EcoMizer technology was installed for the back ply.

“This project and the results achieved underline our quality as a reliable partner and leading rebuild specialist in the paper industry,” says Philip Schnellinger, Process Technology Manager at Voith Paper. “The efficient completion of the project in just nine months shows that our passion and expertise pay off for the customer.”

The partnership between Voith and Mondi shows how close collaboration and innovative solutions can achieve significant progress in the paper industry.

About Mondi Group

Mondi is a global leader in packaging and paper, contributing to a better world by producing products that are sustainable by design. We employ 24,000 people in more than 30 countries and operate an integrated business with expertise spanning the entire value chain, enabling us to offer our customers a broad range of innovative solutions for consumer and industrial end-use applications. Sustainability is at the centre of our strategy, with our ambitious commitments to 2030 focused on circular driven solutions, created by empowered people, taking action on climate.

In 2024, Mondi had revenues of €7.4 billion and underlying EBITDA of €1.0 billion. Mondi is listed on the London Stock Exchange in the ESCC category (MNDI), where the Group is a FTSE100 constituent. It also has a secondary listing on the JSE Limited (MNP).

[Mondigroup.com](https://mondigroup.com)

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. Founded in 1867, Voith today has around 22,000 employees, sales of € 5.2 billion and locations in over 60 countries worldwide and thus is 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 integrated solutions from a single source. The company's continuous stream of innovations facilitates resource-conserving production and supports customers in significantly reducing their carbon footprint. With its comprehensive automation products and leading digitalization solutions from the Papermaking 4.0 portfolio, Voith offers its customers state-of-the-art digital technologies to improve the availability and efficiency of their systems in all sections of the production process.

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