

Media Release

Voith Group

Mailing address:
Voith GmbH & Co. KGaA
Group Communications
St. Poeltener Strasse 43
89522 Heidenheim, Germany
Tel. +49 7321 37-2077
www.voith.com

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Voith supplies extension of recycled fiber plant for JSC Yarpaper

- Contract for extension of existing recycled fiber line
- Boost in quantity and improved quality for PM 1
- Highest efficiency and operational reliability in combination with low energy consumption

HEIDENHEIM/YAROSLAVL, RUSSIA. JSC Yarpaper, specialist in the production of paper and cardboard in Russia, signed the contract with Voith for the extension of existing recycled fiber line. A precedent plant audit was carried out by Voith in order to decide for the best solution in regard to final product quality, operating and investment costs.

Boost in quantity and improved quality

The order includes Voith BlueLine stock preparation components such like protector system, HiClean HCL5 EcoMizer cleaner system, thickener EFK and several IntegraScreens for coarse screening, fractionation and fine screening. The extension will boost quantity of recycle fiber (270.000 BDT/day) and improve quality and stability of waste paper for PM 1 which produces testliner and fluting in the range of 90 to 160 gsm. Basic engineering, process pumps and site services are completing the scope of supply of Voith.

The protector system based on InduraHiClean high consistency cleaners is removing heavy contaminants in a two stage system. In the first stage, two cleaners are operating with a continuous reject flow into a sedimentation tank. Discharge of the contaminants is done with a heavy reject trap. The remaining heavy contaminants are removed by a second stage cleaner, which is operating with an inlet stock consistency of approximately 1,3%. Besides the heavy contaminants also smaller particles such like sand or stones are removed in a safe way. With the protector system

subsequent equipment in the process line will be protected from wear resulting in reliable and sustainable operation of the plant.

Highest efficiency and operational reliability in combination with low energy consumption

As low consistency cleaner, the HiClean HCL5 EcoMizer cleaner system is foreseen. The innovative EcoMizer backflushing technology from Voith enables inlet consistencies up to 3% resulting in reduced energy consumption, lower investment costs and reduced fiber losses.

IntegraScreens will be used at different screening and fractionation stages. For the different technological requirements at the various screening tasks and stages Voith will supply the most appropriate type of rotors and screen baskets. This will result in highest efficiency and operational reliability in combination with low energy consumption. For thickening, economical EFK drum folding thickeners will be installed for the long and short fiber fraction. This equipment is characterized by ease of installation based on a reliable and simple function. Stainless steel wires embedded in glass fiber reinforced plastic frames are offering clear advantages towards low maintenance efforts.

“By choosing Voith, one of the major process supplier for the pulp and paper industry, we made sure that the ambitious project goals will be fully achieved”, says Sergey Dotsenko, CEO of JSC Yarpaper.

About JSC Yarpaper

Founded in 2003, the company JSC Yarpaper specializes in the production of paper and cardboard made from 100% renewable raw materials, certified according to the FSC standard. In 2018 the company processed 62.000 tons of waste paper. Today the company produces 55.000 tons of corrugated paper in the range of 100 - 140 g/m² and cardboard test liner in the range of 110 - 150 g/m². Buyers are leading producers of corrugated packaging in Russia.

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 € 4.3 billion and locations in over 60 countries worldwide and is thus one of the larger family-owned companies in Europe.

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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.

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JSC Yarpaper site, Russia.

Contact

Anja Matuschka

Junior Manager Market Communication EMEA

Tel. +49 7321 37-2077

Anja.Matuschka@Voith.com

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