

Media Release

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At Krasnokamsk paper mill, cutting-edge manufacturing technology produces banknotes and specialty papers

- **Voith supplies complete production facility to Krasnokamsk paper mill in Russia**
- **New banknote production line allows the Goznak Group to produce paper with the latest security features**
- **High level of automation improves quality, security and efficiency**

Heidenheim, Krasnokamsk. With the opening of its new production facility in Krasnokamsk on September 28, 2018, the Russian Goznak Group has commenced operation of one of the world's most modern paper machines for banknotes and specialty papers. The entire plant was developed under the direction of Voith.

The Russian Goznak Group has been developing and producing various products that are important for the state's ability to function and for the citizens' everyday life since 1818. To coincide with its 200th anniversary, the manufacturer of security products like banknotes, coins, passports, postage stamps, revenue stamps, ID cards, secure documents, government orders and medals, security and specialty papers successfully commissioned the PM 7, one of the world's most modern production facilities for banknotes and specialty papers, at one of its eight locations in Krasnokamsk in central Russia.

The guests at the official opening ceremony included Alexej Moiseev, Deputy Russian Finance Minister and Chairman of the Board of Goznak, and Alexej Chibisov, Minister of Industry, Economic Affairs and Trade for the Perm region. In his address, Arkady Trachuk, General Director of Goznak, pointed out: "Within a few years, we worked with the designers, equipment suppliers and contractors to create a production complex that is one of the best in the world."

And Voith was on board from the very start. The technology group was responsible for the overall planning of the facility, providing expertise and technologies that were a crucial factor in the outstanding success of the new facility. Highly efficient machines from Voith, the integration of the group's innovative solutions and a high degree of automation allow Goznak to produce paper with cutting-edge security features.

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One of the key components of the paper machine is the forming section. It contains a MasterVat, an optimized uniflow vat in which the watermark is created at the same time as the banknote paper, and the ShortFormer for the first ply of the two-ply papers. Both of these components ensure the high quality of the products. At the same time, they allow the integration of reliable security features or multi-colored watermarks.

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The high degree of automation in Krasnokamsk is the cornerstone for the security of the papers. For example, there is an automatic quality control in all phases of paper production. At the same time, this increases the efficiency of the plant and helps to substantially reduce raw material losses and running costs.

Through their very close collaboration based on a spirit of trust and partnership, Voith and Goznak have created a benchmark for future plants with the facility in Krasnokamsk, says Wolfgang Neuss, Director Sales and Technology Banknote and Security Paper Machines at Voith.



Caption: From left to right: Wolfgang Neuss, Purchase Director Mr. Kozlov, Günther Meuser, Senior Project Manager Voith Paper. In the background, the MasterVat and ShortFormer, which are the centerpiece of the new facility in Krasnokamsk. The technology they use forms the basis for the production of specialty papers with the strictest security features.

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 € 4.2 billion and locations in over 60 countries worldwide and is thus one of the large family-owned companies in Europe.

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The Group Division Voith Paper is part of the Voith Group and a leading full-line supplier as well as pioneer in the paper industry. Through constant innovations Voith is optimizing the paper manufacturing process and facilitating resource-conserving production. With its Servolution concept, Voith offers its customers as a reliable partner tailored service solutions for all sections of the production process. The company's Papermaking 4.0 concept ensures that equipment is optimally networked, while the effective and secure use of the generated data enables paper manufacturers to improve their competitiveness.

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