

## Media Release

Voith Group

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### **Papierfabrik Palm: Voith supplies calender rolls with heating for PM 7 at King's Lynn**

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- Rolls cast at Hüttenwerke Königsbronn foundry
- High-quality newsprint and excellent printing results
- Improved paper quality and expanded product portfolio

**HEIDENHEIM/KING'S LYNN.** Ten years ago Papierfabrik Palm put the PM 7 supplied by Voith into service at its King's Lynn facility in the UK. Voith has now been engaged to supply new calender rolls with heating system for the newsprint paper machine. The rolls are scheduled for completion by the end of the year.

#### **Rolls cast at the Hüttenwerke Königsbronn foundry**

The scope of the order consists of identical calender rolls and a new heating system. The calender rolls are being cast at Hüttenwerke Königsbronn in the Heidenheim district, a foundry that can look back on a 650-year history.

The casting for the roll tube has an outer diameter of around 1.6 meters, is about 11 meters long and weighs approximately 76 metric tons. The material used is ductile cast iron, which allows the finished calender rolls to be heated up to a surface temperature of 210°C. "These dimensions make them the heaviest calender rolls worldwide made from the modern material CDI", says Christian Tenbruck, Vice President Sales & Application at Voith. The rolls also undergo an induction-hardening process during fabrication. Higher load capacity, fatigue strength and durability are just some of the benefits of this hardening process.

#### **High-quality newsprint and excellent printing results**

Thanks to close collaboration between Voith and Papierfabrik Palm, the PM 7 was able to go into production operation three weeks earlier than scheduled in 2009.

The newsprint machine has a wire width of 11,400 mm and is designed for

a maximum speed of 2,200 m/min. At a production capacity of 400,000 metric tons per year, the machine produces improved paper grades from 100 percent recovered paper in the basis weight range 40–52 g/m<sup>2</sup> in addition to standard newsprint. The modernization will further improve paper quality and extend the company's product range.

The order for the calender rolls is a further vote of confidence in Voith and a continuation of the longstanding and successful business relationship between the two companies. The transport of the completed rolls to King's Lynn is scheduled for May 2020.

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## 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.

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.



Caption 1: Calender roll blank at Hüttenwerke Königsbronn.



Caption 2: Casting process at Hüttenwerke Königsbronn.

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