

Press Release

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Voith and Truetzschler: Successful start-up of wet-laid spunlacing line for the production of flushable wipes at Hangzhou Nbond Nonwoven

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Hangzhou Nbond Nonwoven Co., Ltd., in Zhejiang province, China, successfully started up a new flushable wipes production line in April 2015. The new production line is the first one on the Chinese market to utilize the innovative wet-laid spunlacing (WLS) concept of the HydroFormer and AquaJet technology. Only three days after start-up, the operating speed of 200 m/min was reached. "We were completely satisfied by the know-how and experience of Voith and Truetzschler. Thanks to the professional ability and excellent professional dedication of their technicians, the project ran both quickly and smoothly," said Mr. Zhang Jie, General Manager of Nbond.

With the combined efforts of Nbond, Voith and Truetzschler, it took only five months to complete plant construction, installation and commissioning. The production line uses wet-laid technology with cellulose fiber as raw material for the production of flushable wipes and is Nbond's 8th line. With a 3,750 mm wire width and 250 m/min design speed, Nbond produces flushable wipes within a basis weight range of 50 to 80 g/m² and will achieve an annual capacity of up to 15,000 tons. The flushable wipes will have excellent dispersibility and are 100% biodegradable.

Voith supplied a key component, the HydroFormer. The HydroFormer concept builds on Voith's long expertise in the pulp and paper industry. With HydroFormer technology the suspension is highly diluted, so nonwovens can be produced entirely from cellulose, a renewable raw material. In addition to the HydroFormer, Voith delivered the entire stock preparation, the approach flow system, auxiliaries and onsite service. An entire automation and control package was included as well.

Truetzschler supplied the well-known AquaJet technology, a drum dryer and a winder. The components are based on the longstanding know-how of Truetzschler. They were adapted to the needs of the wet-laid spunlacing process.

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This resource-efficient production line will play an important role for Nbond in strengthening its market position in China and even on the global non-woven fabric market.

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Hangzhou Nbond Nonwoven Co., Ltd, a member of the Robam Group, was founded in 2007. Nbond has become a world-leading enterprise in the wet-laid nonwoven fabrics industry and produces wet-laid nonwoven fabrics on 8 international advanced production lines. Its product range includes wipes for the electronics industry, top-grade materials for beauty and sanitation industries, electrostatic cleaning jacquards, cleansing cotton rags for domestic use, industrial synthetic leather substrates, products for medical care and sanitary use, and sound insulation products for automobiles.

Further information is available on the Voith website at www.voith.com/paper or www.truetzschler.com. Voith Paper is also on [Twitter](#) and [YouTube](#).

Voith Paper is a division of the Voith Group and the leading partner to and pioneer in the paper industry. Through constant innovations, Voith Paper is optimizing the paper manufacturing process, focusing on developing resource-saving products to reduce the use of energy, water, and fibers. Furthermore, Voith Paper offers a broad service portfolio for all sections of the paper manufacturing process.

Voith sets standards in the markets of energy, oil & gas, paper, raw materials and transport & automotive. Founded in 1867, Voith today has more than 39,000 employees, sales of €5.3 billion and locations in more than 50 countries, making it one of the largest family-owned companies in Europe.

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