

Press Release

Essential gear pump:

extreX⁶ enabling efficient nonwoven production at Nanhai Nanxin Wufangbu

Oberglatt, Switzerland, June 10, 2020 – In its production of bonded fabrics (nonwovens) for face masks, Chinese manufacturer Nanhai Nanxin Wufangbu is relying on a MAAG Groups extreX⁶ pressure booster melt pump: “We believe Maag offers the best pump solution for nonwoven applications. The Maag pump installed on our nonwovens line has achieved high output and excellent consistency in 24/7 operations. Our expectations as to the reliability and accuracy of the pump have been exceeded, and it has significantly enhanced the process stability of the line.”

The installation of the extreX⁶ allows the fabric specialist not only to meet high quality demands, but also to produce the material more economically. The gear pump makes the processing of thermoplastic polymers much more efficient.

The low compression gearing of the new MAAG gear pump extreX⁶ is unique in the market and in particular allows transfer, pressure-boosting and dosing applications at high pressure and with low shear stress. In the specific case of the production of nonwovens, this means a 10% higher specific flow volume relative to other pump solutions and 25% better wear resistance and sealing capability of the drive shaft seal. The cooling surface of the seal is double that of conventional pump designs. The temperature rise through the pump is 40% less, and the pulsations at the melt pump discharge are minimized. The energy saving is 12%.

Other advantages in terms of high availability and low operating cost result from the virtually maintenance-free design. In addition to the general reliability of the gear pump, its high accuracy delivers benefits in long-term operation, guaranteeing the process stability of the Nanhai Nanxin Wufangbu production line at all times.

MAAG Group enjoying success on the Chinese market

MAAG Group has been operating on the Chinese market for a number of years with its own branch offices and plants, and is heading for a record year in the extrusion pump sector despite the current difficult economic climate. In first quarter 2020 alone, MAAG Group sold more extrusion pumps in China than in the entire year 2019. These will mostly be used for the production of nonwovens and other medical products.

The extrex product portfolio of the MAAG Group offers high flexibility in terms of application, pump materials and accessories. All components are manufactured in-house, and so meet the highest quality demands. The global After Sales Team of the MAAG Group with more than 18 locations worldwide guarantees a qualified and fast local support.

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Pictures		Nonwoven production line at our customer Nanhai Nanxin Wufangbu
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About the MAAG Group

The MAAG Group is a broadly diversified global solutions provider with integrated and customizable systems in process technology for the polymer, chemical, petrochemical, pharmaceutical and food industries. Its Pump & Filtration Systems, Pelletizing Systems, Pulverizing Systems, and Recycling Systems divisions consolidate the many years of experience and in-depth know-how of the AUTOMATIK, ETTLINGER, GALA, MAAG, REDUCTION, and SCHEER product brands. The MAAG Group currently employs over 1,000 people at production sites in Switzerland, Germany, Italy, the USA, and China. Additional sales and service centers in France, Singapore, Taiwan, Malaysia, India, Thailand and Brazil ensure close attention to customers' needs. For more information visit www.maag.com.

The MAAG Group is a business unit of Pumps & Process Solutions, a segment of the Dover Corporation.