

Press Release

Oerlikon Neumag at IDEA 2016 in Boston, USA

Efficient Spunbond Technology for a Growing Market

Neumünster, March 18, 2016 – Oerlikon Neumag will present itself at this year's IDEA in Boston with its extensive technology portfolio for the production of nonwovens: from spunbond and meltblown to airlaid through to staple fibers for the production of carded nonwovens. Areas of application include technical, such as filtration, roofing, geotextiles and automotive, in addition to medical and hygiene applications.

Cost reductions of up to 30% for spunbond production

The proportion of nonwovens manufactured directly from polymer granulate now amounts to almost 50% of the total market, and its share is continuing to grow. The trend is towards lighter surface weights that despite everything still meet the high quality standards. Benchmark comparisons with current products in Europe show that with the spunbond technology of Oerlikon Neumag, the required qualities are achieved with reduced surface weights. This results in raw material savings of over 5%.

Furthermore, the machine builder from Neumünster has optimized the energy consumption of its systems. The new generation of systems saves almost 20% of the energy requirement in spinning alone. Together with the raw material savings and further technology optimizations, the conversion costs are up to 30% below those of the spunbond systems producing today.

Meltblown technology for even higher qualities

The optimized meltblown technology defines new requirements for the production of filter nonwovens. Whether as stand-alone mono and bicomponent systems, or as Plug & Produce components in existing systems, the Oerlikon Neumag meltblown process today enables cost-efficient manufacture of meltblown nonwovens with the quality standards of tomorrow.

Airlaid technology for extremely thin nonwovens

Production of high-quality, light airlaid nonwovens with economically attractive production speeds and system throughputs is nowadays in demand. In this area, the forming head of the Oerlikon Neumag airlaid technology with a high uniformity and homogenous fiber placement, even with extremely thin nonwovens, is setting standards.

Fiber production for carded nonwovens

For manufacturers of carded nonwovens, who in future would like to produce their fibers in-house, Oerlikon Neumag offers a comprehensive technology portfolio. The economically viable system capacities for special mono and bico fibers made of PP, PET and other polymers start at 5 t per day.



Caption: Oerlikon Neumag spunbond technology – high production capacities at low costs

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About Oerlikon

Oerlikon (SIX: OERL) is a leading, globally-active technology group with a clear strategy to develop into a leading provider of surface solutions, state-of-the-art materials and materials processing. The group invests in value-generating technologies, with which customers can be supplied with lighter and more durable materials that increase performance, improve efficiency and reduce the use of scarce resources. As a Swiss company with a history stretching back more than 100 years, Oerlikon and its in excess of 13,500 employees are present at more than 170 sites in 37 different countries. In 2015, sales totaled CHF 2.7 billion. The company, which invested CHF 103 million in research and development in 2015, employees more than 1,350 specialists for developing innovative and customer-oriented products and services.

For further information: www.oerlikon.com

About the Oerlikon Manmade Fibers segment

With its Oerlikon Barmag and Oerlikon Neumag brands, Oerlikon Manmade Fibers segment is the world market leader for manmade fiber filament spinning systems, texturing machines, BCF systems, staple fiber systems and artificial turf systems and – as a service provider – offers engineering solutions for the entire textile value added chain. As a future oriented company, the research and development at this division of the Oerlikon Group is driven by energy-efficiency and sustainable technologies. With the expansion of the product range to include polycondensation systems and their key components, the company now caters to the entire process – from the monomer all the way through to the textured yarn. The primary Oerlikon Barmag markets are in Asia, and – for Oerlikon Neumag – in the USA, Turkey and China. Correspondingly, Oerlikon Barmag and Oerlikon Neumag – with just under 2,500 employees – has a worldwide presence in 120 countries as part of the Oerlikon Manmade Fibers network of production, sales and distribution and service organizations. At the R&D centers in Remscheid, Neumünster and Chemnitz, highly-qualified engineers and technicians develop innovative and technologically-leading products for tomorrow's world.

For further information: www.oerlikon.com/manmade-fibers