

Press Release

Oerlikon Neumag presents Innovations at the Index 2017 in Geneva, Switzerland

Oerlikon Neumag offers customers process solutions for an efficient nonwovens production

Neumünster, February 21, 2017 – At this year’s Index – taking place in Geneva between April 4 and 7 – Oerlikon Neumag will be showcasing a broad technology portfolio targeted at the efficient manufacturing of nonwovens. At its trade fair stand 2314 the Oerlikon Neumag experts will be showcasing process solutions for industrial applications such as filtration, roofing, geotextiles and automotive as well as medical and hygiene applications.

Focus on reducing costs

The trend in the technical applications sector – particularly within the construction industry – is towards utilizing spunbond in place of the staple fiber or glass fiber products deployed to date. Among other things, this is due to the fact that the – in this case – one-step production process for these nonwovens generate cost optimization potentials. The strength of the nonwovens is hugely important in industrial applications. They need to be extremely tear-resistant and often simultaneously very extensible. The objective is to achieve these properties with the smallest running meter weights and optimum raw material input. Here, the Oerlikon Neumag spunbond technologies save more than 5 percent of raw materials, something that have been demonstrated by a benchmark comparison with standard products in Europe. And Oerlikon Neumag also stands out with regards to energy consumption: the new generation of the Oerlikon Neumag spunbond systems cuts energy consumption by virtually 20 percent.

“By focusing on industrial applications for our spunbond technology, we have built up comprehensive know-how covering the overall process, including the necessary in-line further processing. With this, we are today able to offer our customers requirements-appropriate production solutions for many such applications”, explains Dr. Ingo Mählmann, Business Development Nonwoven, Oerlikon Neumag.

Productivity increase and product diversity for meltblown nonwovens

For its meltblown technology products, Oerlikon Neumag will be premiering two further innovations at the Index in Geneva: the new forming table for the Oerlikon Neumag meltblown systems is characterized by its integrated multifunctionality and its simultaneously considerably reduced footprint. It can be moved horizontally and vertically under the nozzle and has various storage areas, which can be multiply-segmented and custom-adjusted. This enables extremely high formation flexibility and hence increased product diversity.

The new FAUS system control and operating unit enables the comprehensive automation of meltblown systems and ensures a considerable increase in their productivity and reliability. In its expandable delivery state, FAUS comprises five different modes of operation with a total of eight different programs, which guarantee that future high-end meltblown nonwovens can be manufactured even more efficiently.

Light airlaid nonwovens at high production speeds

In airlaid technology, the Oerlikon Neumag solutions have been further optimized with the aim of catering to the demands of the market. In addition to the high flexibility of the forming technology that enables the production of simple wipes, wet-wipes and flushable wipes all the way through to particularly high-end tableware, hygiene and medical nonwovens, there is today a special focus on commercially-attractive production speeds and system throughputs. The Oerlikon Neumag airlaid technology achieves these as a result of its new forming head, with which extremely high requirements-appropriate consistency of the fiber laying can be carried out homogeneously even in the case of extremely thin nonwovens.

540 words



Caption: Oerlikon Neumag's multifunctional forming table for meltblown systems with a considerably reduced footprint and a shortened wire length that reduce maintenance costs.

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About Oerlikon

Oerlikon (SIX: OERL) is a leading global technology Group, with a clear strategy of becoming a global powerhouse in surface solutions, advanced materials and materials processing. The Group is committed to investing in value-bringing technologies that provide customers with lighter, more durable materials that are able to increase performance, improve efficiency and reduce the use of scarce resources. A Swiss company with over 100 years of tradition, Oerlikon has a global footprint of over 13 500 employees at more than 170 locations in 37 countries and sales of CHF 2.7 billion in 2015. The company invested CHF 103 million in R&D in 2015 and has over 1 350 specialists 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, nonwovens 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