

Press Release

Oerlikon Nonwoven at the INDEX in Geneva

Focus on nonwoven products: the perfect manufacturing process for every application

Neumünster, February 21, 2020 – For the sixth time now, Oerlikon Nonwoven will be showcasing market- and customer-oriented solutions for hygiene, medical, filtration and other technical applications at the globally-leading nonwovens trade fair INDEX in Geneva, Switzerland. Between March 31 and April 3, 2020, visitors to the trade fair can convince themselves of the Neumünster-based systems constructor's extensive product and process know-how.

Comprehensive spunbond portfolio – always the right solution

Oerlikon Nonwoven meanwhile has a very broad range of spunbond technology products and services. The process for manufacturing geotextiles from polyester or polypropylene has been optimized; it is characterized by high production capacities and yields, with simultaneously low energy consumption for producing benchmark nonwoven products.

For the manufacture of hygiene nonwovens, Oerlikon Nonwoven offers its new QSR (Quality Sized Right) systems. Here, the benefits of the Chinese machine construction partner's nonwoven formation are integrated into the complete solution. The advantage for nonwovens producers: highly competitive solutions at attractive prices with comparably low investment.

Cost-efficiently manufacturing meltblown nonwovens

New, unique and highly sophisticated filter media can be easily and efficiently manufactured thanks to Oerlikon Nonwoven's optimized meltblown technology. Whether as a stand-alone system with one or several positions, as 'plug & produce' installations for already existing systems or in conjunction with other technologies: the Oerlikon Nonwoven meltblown process already enables the cost-efficient manufacture of meltblown nonwovens with the quality requirements of tomorrow. Ever more producers are choosing the meanwhile extensively tried-and-tested and consistently further-developed Oerlikon Nonwoven meltblown solutions.

Airlaid technology for the nonwovens of tomorrow

Pulp or cellulose fibers as raw material for manufacturing nonwovens are currently virtually unrivaled with regards to sustainability and environmental compatibility. The Oerlikon Nonwoven airlaid process is the ideal solution for processing this raw material into high-end products for a wide range of applications. Today, there is huge demand for manufacturing solutions for high-quality, lightweight airlaid nonwovens with economically attractive production speeds and system throughputs. In this area, the patented Oerlikon Nonwoven formation process – which also permits the homogeneous mixing of the most diverse raw materials, while simultaneously guaranteeing superb evenness and homogeneous fiber laying – is setting standards even for nonwovens with low running meter weights. And the benefits of this technology are also increasingly gaining significance in sustainable recycling applications.

P&G patented PHANTOM technology from Teknoweb Materials

Also being showcased at the trade fair stand is the P&G patented PHANTOM technology from Teknoweb Materials, Oerlikon Nonwoven's strategic partner for hygiene products and wipes. The PHANTOM technology is released to Teknoweb Materials by P&G in worldwide exclusive license. The PHANTOM technology is the superior dry laid alternative technology for manufacturing wet wipes from pulp and polymer fibers, for example. Compared to conventional, known processes, this technology offers superior performances with cost advantage in much more eco-friendly products. Dispensing with hydroentanglement renders subsequent drying of the material redundant. Targeted process management allows the optimal setting of the relevant product parameters such as softness, tenacity, dirt absorption and liquid absorption.

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Caption: The Oerlikon Nonwoven spunbond technology, a highly competitive solution.



Caption: Also ideal for use in recycling – the Oerlikon Nonwoven airlaid technology.

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About Oerlikon

Oerlikon (SIX: OERL) develops modern materials, systems and surface technologies and provides specialized services aimed at securing high-performance products and systems with long lifespans for customers. Supported by its technological core competencies and its strong financial footing, the corporation continues its medium-term growth plan by implementing three strategic factors: focusing on attractive growth markets, ensuring structural growth and expanding through targeted M&A activities. Oerlikon is a globally-leading technology and engineering corporation, operating its business in two segments (Surface Solutions and Manmade Fibers) and employing around 10,500 members of staff at 175 sites in 37 countries worldwide. In 2018, Oerlikon generated sales of CHF 2.6 billion and invested around CHF 120 million in research & development.

For further information: www.oerlikon.com

About Oerlikon Segment Manmade Fibers

With its Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven brands, Oerlikon Manmade Fibers segment is the world market leader for manmade fiber filament spinning systems, texturing machines, BCF systems, staple fiber systems, solutions for the production of nonwovens 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 (e-save). With the supply of continuous polycondensation and extrusion systems and their key components, the company caters to the entire process – from the monomer all the way through to the textured yarn. The product portfolio is rounded off by automation and industry 4.0 solutions. The primary markets for the products of Oerlikon Barmag are in Asia, especially in China,



India and Turkey, and – for those of Oerlikon Neumag and Oerlikon Nonwoven – in the USA, Asia, Turkey and Europe. Worldwide, the segment – with just under 3,000 employees – has a presence in 120 countries of production, sales and distribution and service organizations. At the R&D centers in Remscheid, Neumünster (Germany) and Suzhou (China), highly-qualified engineers, technologists and technicians develop innovative and technologically-leading products for tomorrow's world.

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