Oerlikon Nonwoven at the INDEX in Geneva

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

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 man- ufacture 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 applica- tions. 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 manage- ment allows the optimal setting of the relevant product parameters such as softness, tenacity, dirt ab- sorption and liquid absorption.



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



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