

## Press Release

**INDEX 2014**

## New Staple Fiber Plant for the Production of Carded Nonwovens

Neumünster, 11 March 2014 – At this year's INDEX, the worldwide leading exhibition for nonwovens, from 8 to 11 April in Geneva, Switzerland, Oerlikon Neumag will be presenting plants and technologies for the production of high-quality nonwovens for hygiene and technical applications. For the first time, the new staple fiber plant Staple FORCE S 1000 will be introduced on stand 2314 in hall 2.

**Staple FORCE S 1000 - compact and economical**

The new, compact plant is specially laid out for the economical production of staple fibers in small lots up to 15 tons per day, as necessary for the production of carded nonwovens. The Staple FORCE not only impresses with its low initial investment and compact construction, but also the energy costs are significantly reduced by replacing steam and water baths through a dry drawing process. "The Staple FORCE S 1000 is directed at downstream integrators, who in future want to produce the fibers for their products in-house, enabling the nonwovens producer to produce and further develop his end products without disclosing know-how and without quality fluctuations", explained Rainer Straub, Vice President Product Management Oerlikon Manmade Fibers.

**Nonwoven: All technologies on board for market-specific developments**

Oerlikon Neumag has a comprehensive portfolio of nonwoven technologies, from melt-spun spunbond (spunbond and meltblown) up to air-laid nonwovens (airlaid). Application areas are for example special technical uses such as filtration, roofing, geotextiles and automotive, as well as hygiene applications.

**Nonwovens technology for a rapidly growing market**

Oerlikon Neumag offers the complete process from polymer chips up to roll goods for the production of substrate for bitumen roofing membranes, sarking membranes and also geotextiles. The one-step spunbond technology convinces with a combination of effectiveness and productivity, thus lowering production costs by up to 20%. More than 3 million tons of technical nonwovens were produced last

year and the demand is still increasing, especially in emerging countries. Thinner, lighter, efficient materials, as produced with the spunbond technology, now specify the trend.

**Meltblown technology stand-alone or as an upgrade solution**

The Oerlikon Neumag meltblown technology enables the cost-efficient production of high-quality meltblown and SMS (spunbond-meltblown-spunbond) products. Stand-alone mono and bico meltblown plants produce nonwovens for a variety of filtration, insulation and sorbent applications. The meltblown technology is applied for a multitude of medical and hygiene products as “Plug & Product” installations in already existing and in new external SXS plants. This solution enables a cost-efficient upgrading of new or existing spunbond plants and offers nonwoven producers access to markets with very high quality demands.

**Airlaid: more homogeneity with thin nonwovens**

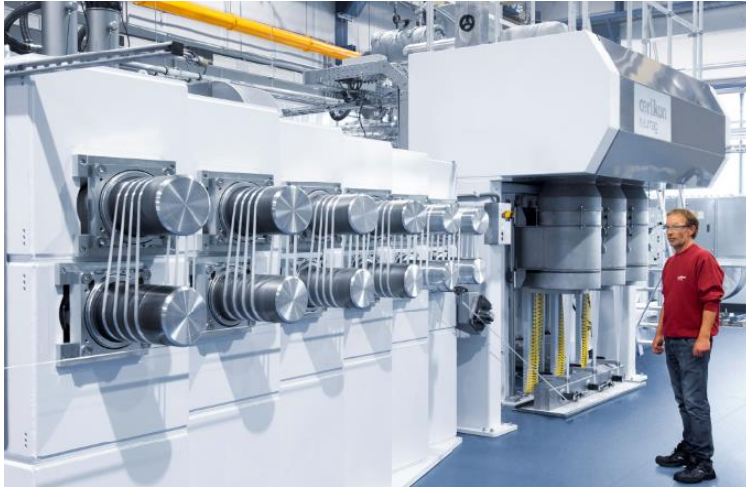
The core of the Oerlikon Neumag airlaid technology, the forming head, sets standards for the production of extremely thin airlaid nonwovens. A high uniformity and homogeneous web formation, today enable the production of high-quality, light airlaid nonwovens with economically attractive production speeds and plant throughputs. With the new forming head, we can not only produce very light airlaid materials, but also combination nonwovens with full utilization of the plant capacity, at the same time saving raw material.

514 words

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*Oerlikon Neumag Staple FORCE S 1000*

### **About Oerlikon**

Oerlikon (SIX: OERL) is one of the world's leading high-tech industrial group specializing in machine and plant engineering. The company is a provider of innovative industrial solutions and cutting-edge technologies for manmade fiber machines, drives, vacuum systems, thin-film coating and advanced nanotechnology. A Swiss company with a tradition going back more than 100 years, Oerlikon is a global player with more than 13,000 employees at more than 160 locations in 34 countries and sales of CHF 2.9 billion in 2012. In 2012, the company invested CHF 106 million in R&D, with over 1,000 specialists working on future products and services. In most areas, the company ranks either first or second in the respective global markets.

### **About Oerlikon Manmade Fibers**

With its Oerlikon Barmag and Oerlikon Neumag brands, Oerlikon Manmade Fibers 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 poly-condensation 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.

### **About Oerlikon Neumag**

Oerlikon Neumag is the worldwide market and technology leader for complete plants for the production of BCF carpet yarn as well as manmade fibers. Moreover, Oerlikon Neumag is also one of the leading suppliers of a wide range of nonwoven technologies: from the spunbond and meltblown to the airlaid technology.

[www.oerlikon.com/manmade-fibers/](http://www.oerlikon.com/manmade-fibers/)