

Media Release**Oerlikon Manmade Fibers at the ITMA ASIA + CITME 2014****Partner for China for half a century now**

Remscheid/Shanghai, April 25, 2014 – Once again, the combination of the ITMA ASIA + CITME is this year the most important trade fair event for the textile machine sector. For the fourth time since 2008, the trade fair will be taking place in China's megacity of Shanghai, this year from 16th to 20th of June at the Shanghai New International Expo Centre (SNIEC). Under the motto 'From Melt to Yarn', Oerlikon Manmade Fibers will be exhibiting in Hall W3, Stand F01 with its Oerlikon Barmag and Oerlikon Neumag brands.

In the fiftieth year of its partnership with the Chinese textile industry, Oerlikon Manmade Fibers is celebrating this extraordinary anniversary with all its guests at its trade fair stand. The company has been supplying China with manmade fiber spinning plants for half a century now. The managers at the former Barmer Maschinenfabrik AG, or 'Barmag' in short, in Remscheid, Germany, hence laid the foundations back in the mid-1960s for the currently excellent business relations with the world's largest manufacturers of polyester and polyamide. Neumag followed soon after.

The focus of the trade fair attendance of the world's leading manmade fiber manufacturing solutions provider is the entire process chain: From Melt to Yarn, Oerlikon Manmade Fibers accompanies yarn manufacturers with innovative technologies and sophisticated services. Here, environmentally-friendly and sustainable, e-save certified solutions are in the foreground. "We will be presenting the trade audience with several innovations focusing on the topic of manmade fiber yarn manufacturing, both in the service sector and in the form of concrete exhibits", announces André Wissenberg, Head of Marketing, Corporate Communications and Public Affairs. He continues by promising: "Our engineers and market experts are looking forward to avidly talking to our customers from across the world."

The exhibit highlights of Oerlikon Barmag and Oerlikon Neumag at a glance

In concrete terms, the showcased product portfolio will range from continuous polycondensation systems (CP), state-of-the-art methods for environmentally-friendly direct spin-dyeing using the 3DD mixer technology all the way through to the very latest high-speed winders for POY, HOY, FDY, IDY and BCF processes. In addition to exhibiting spinning pumps, the company will also be focusing on production solutions for nonwovens and for specialty yarns. "Once again, we will be deploying virtual reality at our trade fair stand: in our virtual showroom, we will be displaying our technologies in 3D, hence taking visitors on a journey through our systems and machines", explains marketing expert Rickey Steele, who will be accompanying customers through virtual worlds during all five days of the trade fair.

WINGS POY 1800 boosts yarn production by another 20 percent

Oerlikon Barmag has set a new benchmark for the efficient production of polyester fibers with its new yarn winder WINGS POY 1800. The new winding unit boosts productivity by another 20 percent using virtually the same amount of production space as the previous model. "With WINGS POY 1800, we are once again underscoring our technological leadership in the area of filament spinning. We will use this technology to sustainably bolster our market share of more than 40 percent in the manmade fiber machinery industry", says Stefan Kross, CEO of Oerlikon's Manmade Fibers Segment. Compared to its predecessor model, WINGS POY 1800 can accommodate twelve bobbins instead of the previous

ten bobbins which required highly sophisticated technical developments. “With WINGS POY 1800, we are writing another chapter in our success story and moving even further ahead of our competitors. Unlike any other spinning products in the marketplace, WINGS delivers efficient and profitable filament production, while supplying the highest level of yarn quality,” comments Stefan Kross. The Winding INtegrated Godet Solution, or WINGS, is highly user-friendly, groundbreaking equipment that requires more than 30 percent less space. Oerlikon Barmag introduced WINGS POY to the market in 2007, ushering in a totally new dimension to manmade fiber spinning. More than 14,000 WINGS units for the POY and FDY yarn types have been sold since market introduction.

WINGS PA HOY for special requirements

The new WINGS take-up concept, designed for the special requirements of economical nylon HOY production, offers all the benefits of the reliable WINGS POY winder. “It includes special optimization for the HOY requirements, including the high intermingling knots, spray protection and the friction-optimized take-up design for lowest nylon denier ranges”, says Markus Reichwein, Product Manager Apparel.

DTY solutions

The eFK manual and eAFK automatic texturing machine showcase the evolution of ‘made by Oerlikon Barmag’ texturing: tried-and-test solutions such as the take-up system and the pneumatic yarn string-up device have been retained and new technologies have been deployed where they markedly improve machine efficiency, profitability and handling. At the ITMA ASIA + CITME Oerlikon Barmag will be presenting new innovative features for the texturing technologies.

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 of up to 15 tons per day, as required for the production of carded nonwovens. The Staple FORCE not only impresses with its low initial investment and compact construction, but the energy costs are also significantly reduced as a result of replacing steam and water baths with a dry-drawing process. “The Staple FORCE S 1000 is directed at downstream integrators, who in future wish to manufacture the fibers for their products in-house, enabling the nonwovens producer to manufacture and further develop its end products without disclosing know-how and without quality fluctuations”, explains Rainer Straub, Head of Product Management.

WinTrax Winder for high-performance yarns

Special yarns are not only deployed in special applications, they also require special processing methods and techniques. “The WinTrax winder was developed specifically for sensitive carbon fibers”, explains Harald Müller, Regional Sales Director Oerlikon Barmag. WinTrax is the solution for the economic production of carbon fibers of the very highest quality with a simultaneously perfect package build. Flexible, simple to operate and with minimum maintenance requirements, WinTrax is available either as a manual or as an automatic winder.

Partnering for performance

In addition to the machine exhibits, Oerlikon Manmade Fibers will also be showcasing its expanded range of services under its ‘Partnering for Performance’ motto. And Oerlikon is hoping to offer new services especially within the Asian market, which has grown immensely in importance above all over the past few years and which today – with more than 70 percent of worldwide manmade fiber production – is the center of a global industry. Oerlikon Manmade Fibers is able to draw on a very well-developed network and established processes, especially in China. And it goes without saying that the Oerlikon Barmag and Oerlikon Neumag service experts bring many years of experience with them.

10 years of e-save

Oerlikon Manmade Fibers' leading technological position is based on a corporate culture in which great importance is given to future-oriented developments and close partnerships. Peak performance, innovativeness, integrity and team spirit are the values that describe the daily business and against whose results the employees at Oerlikon Manmade Fibers wish to be measured. With its e-save program, Oerlikon Manmade Fibers introduced a label for energy-efficient systems, machines and components back in 2004. Over the past ten years, e-save has firmly established itself as a trademark for a comprehensive efficiency program. This underlines the trailblazing role that Oerlikon Manmade Fibers plays in commercial success and sustainability. Meanwhile, all Oerlikon Manmade Fibers innovations are developed with the following four e-save factors in mind: energy, economics, environment and ergonomics.

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About Oerlikon

Oerlikon (SIX: OERL) is a 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 fibers manufacturing, drive systems, vacuum, surface solutions and advanced nanotechnology. A Swiss company with a tradition going back over 100 years, Oerlikon is a global player with around 13 000 employees at more than 150 locations in 34 countries and sales of CHF 2.9 billion in 2013. In 2013, the Company invested CHF 122 million in R&D, with over 1 000 specialists working on future products and services. In most areas, the operative businesses rank either first or second in their respective global markets.

About Oerlikon Manmade Fibers

Oerlikon Manmade Fibers with the product brands Oerlikon Barmag and Oerlikon Neumag is the world market leader for filament spinning systems used for manufacturing manmade fibers, texturing machines, BCF systems, staple fiber spinning systems and artificial turf systems and – as an engineering services provider – offers solutions along the entire textile value added chain. As a future oriented company, the Oerlikon Group segment's research and development 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, with Oerlikon Neumag's main markets in the US, Turkey and China. Correspondingly, the companies – with almost 2 500 employees – have 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.



Fig. 1: Wang Tiankai, President of CNTAC (in the middle), visited the Oerlikon booth in 2012 together with Oerlikon Manmade Fibers CEO Stefan Kross (right) and Oerlikon China President Wang Jun (left).



Fig. 2: Premiere: the new Oerlikon Barmag WINGS POY 1800 will be first time shown at an exhibition worldwide.



Fig. 3: The new Oerlikon Neumag Staple FORCE S 1000 will be one of the exhibit highlights at Oerlikon Manmade Fibers booth in hall W3, Stand F01.

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