oerlikon

Manmade Fibers

oerlikon barmag oerlikon neumag

Press Release

Numerous new products and solutions at the ITMA Asia + CITME 2016

The Future is Now!

Remscheid/Neumuenster/Shanghai, September 27, 2016 – With numerous innovations, the Oerlikon Manmade Fibers segment will be presenting itself at the ITMA Asia + CITME between October 21 and 25 at the new National Exhibition Center China (NECC) in Shanghai in hall 2, booth A16 – in line with its leitmotif: 'From Melt to Yarn, Fibers and Nonwovens'.

The primary focus is on the innovative Oerlikon Manmade Fibers Industrie 4.0 system control and customer services solutions. With new features and offerings for the intelligent 'POC – Plant Operation Center 4.0' system control software, producers can now maintain a constant overview of all processes – from the polycondensation, spinning and texturing all the way through to downstream further processing procedures. This helps clients increase the productivity of their systems, save energy and deploy resources efficiently. Oerlikon already shows manufacturers how they can optimize the production processes of the future – 'The Future is Now'.

Industrie 4.0 solutions blazing a trail

Using virtual reality presentation, augmented reality solutions with the recently-launched Microsoft HoloLens IT development for 'predictive maintenance' concepts and virtual 360-degree tours through spinning plants, visitors to the trade fair will be offered everything that state-of-the-art technology makes possible today. Linked to future-oriented service and automation solutions, Oerlikon wants to prepare its customers for the future of manmade fiber production. The fact that this will ultimately result in improved yarn quality goes without saying for the market leader, along with offering environmentally-compatible and sustainable production processes. Here, the segment will be presenting its e-save initiative for the 12th year in succession and showcasing new recycling solutions – 'From shredded PET to value add'.

Oerlikon Barmag exhibiting a dozen innovations

The Oerlikon Manmade Fiber segment comprises two brands – Oerlikon Barmag and Oerlikon Neumag. With its many years of expertise in complex production systems engineering, Oerlikon Barmag – which focuses on CP, POY, FDY, DTY, industrial yarn (IDY) as well as tape and monofilament products and services – alone will be presenting 12 new manmade fiber spinning solutions at the trade fair.

A new addition to the WINGS POY and FDY family

The WINGS POY family now has a further new member, now also including the WINGS POY HD available for processing high titers. With its expanded godet system, the new winder has been designed especially for the requirements of high yarn titers of up to 500den polyester POY. In conjunction with the EvoQuench radial quenching system, microfilament yarns with high titer ranges can now also be manufactured with outstanding properties.

Combined with the eAFK texturing machine – also designed for high titers – Oerlikon Barmag therefore offers a total 'From Melt to Draw Textured Yarn' concept that produces polyester DTY with up to 450den in accustomed Oerlikon Barmag DTY quality.

WINGS FDY PLUS eco
Since its market launch in 2010, the WINGS concept for FDY processing has successfully established itself on the market with a total of more than 4,000 installed spinning positions across the globe. Also being unveiled at the trade fair are 'specialists' for semi-dull and trilobal bright (WINGS FDY SD / WINGS FDY BR) tailored to the specific requirements of customers. We will also showcase at the trade fair the flexible WINGS FDY PLUS and WINGS FDY PLUS eco variant for a broader application window. Depending on the individual requirements, Oerlikon Barmag now offers the perfect, commercially-attractive solution.

Revolution: EvoQuench now also for polyamide processing
The EvoQuench radial quenching system – the core component within the polyester microfiber spinning process – has expanded its process window: EvoQuench is now also newly available for polyamide processing. With this development, Oerlikon Barmag is the first-ever supplier of systems for high-quality polyamide 6 micro-titers both for the POY and the FDY processes.

eAFK HQ – texturing in a new dimension
With the eAFK HQ, Oerlikon Barmag will be presenting the world's most productive automatic texturing machine at the ITMA Asia + CITME. Furthermore, the new eAFK HQ simultaneously excels as a result of its extremely space-saving construction. With this, customers are able to texture their products in the tried-and-tested quality, assured by Oerlikon Barmag, on a machine with the smallest space requirements in the DTY market. At the same time, they benefit from the 50% increase in productivity offered by the eAFK HQ compared to other texturing machines supplied by competitors.

The eAFK HQ is designed with 12 sections, each with 48 positions. Compared to the eAFK machine – with more than 1,000 successful installations worldwide – a fourth level in the winding unit of the eAFK HQ increases the capacity of the machine to 576 positions – a world record! And all this with simultaneously considerably reduced energy consumption. The newly-developed compact block heater lowers energy costs by reducing the radiated heat loss. With the highest level of precision, the new ATT traverse system ensures excellent package build.

Industrial textiles becoming increasingly popular
For the industrial textiles growth market, Oerlikon Barmag will be unveiling its latest developments for the production of yarns used in airbags, safety belts and tire cord. Here, the focus will, above all, be on polyamide 6 and polyamide 6.6 solutions. However, the very latest process and machine solutions will also be unveiled for polyester applications – for low shrinkage and high tenacity yarns, among others.

Special winders for carbon fibers and aramid
Furthermore, Oerlikon Barmag will be offering information on its winder portfolio for system modernizations and on the numerous special yarn winders for processing high-tenacity yarns, carbon fibers and aramid.

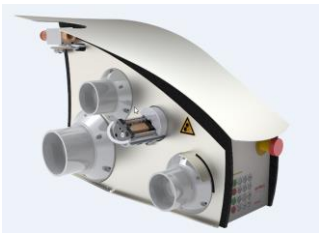
Oerlikon Neumag presents its expanded portfolio
For the first time since the announcement of the takeover of the Trützschler synthetic staple fiber technologies, Oerlikon Neumag will now be presenting its fully-comprehensive staple fiber production plant portfolio as the leading supplier of technologies and plants within the global staple fiber market. Customers benefit from the best technology and process solutions for their specific requirements – for high-quality fibers from a single source.

Two new solutions for meltblown production
For the nonwovens (spunbond, meltblown and airlaid) sector, Oerlikon Neumag will be premiering two further innovations: the new, multifunctional forming table for the Oerlikon Neumag meltblown systems is characterized by its considerably reduced footprint. The resulting shortened wire length reduces maintenance costs. It is horizontally movable, multiply-segmented and offers individually-adjustable suction boxes. This enables extremely flexible formation and hence increased product diversity.

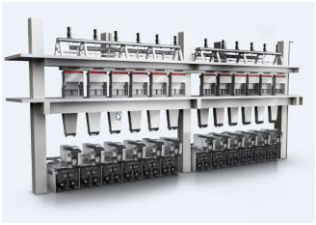
The FAUS operating unit for automating meltblown systems ensures an increase in both their productivity and reliability. Five different modes of operation with a total of eight different programs guarantee that future meltblown nonwovens can be manufactured even more efficiently.

BCF solution: energy savings of up to 50%
With its BCF systems, the three-end S+ and the single-end Sytec One, Oerlikon Neumag fully covers all requirements of internationally-active carpet yarn manufacturers. While the S+ is a convincing solution for commercial applications, the Sytec One is particularly good for demanding production processes due to its monofilament character. Both system types can be equipped with the RoTac tangling unit. Depending on the yarn type, the compressed air consumption is reduced by up to 50% compared to conventional tangling units to ensure energy-efficient production.

Oerlikon Manmade Fibers segment is showcasing its Industrie 4.0 solutions true to the claim “The Future is Now”.



Oerlikon Barmag WINGS POY HD is designed for the requirements of high yarn titers of up to 500den polyester POY.



Oerlikon Barmag WINGS FDY family offers the perfect, commercially-attractive solution – the high-end model WINGS FDY PLUS is shown at an ITMA Asia + CITME for the first time.

Oerlikon Neumag is premiering its new multifunctional forming table for its 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.

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