

Press Release

Oerlikon Polymer Processing Solutions presenting at the ITM 2022

Energy-efficient manmade fiber systems for the Turkish market

Neumünster, Remscheid, April 28, 2022 – the ITM in Istanbul, repeatedly postponed due to the pandemic, will now take place at the Tuyap Fair and Congress Center with around 1,000 international exhibitors between June 14 and 18. The Oerlikon Polymer Processing Solutions division will be showcasing its solutions and technologies at the Tekstil Servis stand in Hall 3, Stand 313.

The focus for the machine and systems builder will be on total solutions – from melt to yarn, fibers through to nonwovens. “Turkey is an extremely active market”, comments Sales Director Oliver Lemke, talking about the current mood in the country. “Our customers are hugely interested in factory projects that comprise everything – from the in-house polycondensation system through to the textured yarn, the accompanying automation and corresponding digital solutions. Basically, From Melt to Yarn and beyond.” The unbeatable benefit of such concepts is that procuring all process steps from a single source promises harmonized technology, whose design guarantees that the produced yarn is high quality.

A further information focus will be on the topic of sustainability. There are currently many developments taking place in manmade fiber yarn manufacturing: mechanical and chemical technologies for recycling of bottles, but also of textiles and biopolymers as well as the circular economy – all these are already possible. With partners and subsidiaries, including Oerlikon Barmag Huitong Engineering (OBHE) and Barmag Brückner Engineering (BBE), Oerlikon Polymer Processing Solutions will be unveiling concrete concepts at the trade fair.

BCF technology: tangling 6,800-dtex yarns with the RoTac³

High-pile carpets and carpets for outdoor use are currently on trend, with demand for these high-margin yarns noticeably rising. The thick BCF yarns made from PP, PET and PA6 required can now be tangled using the RoTac³. In so-called plying, all three filaments are jointly fed through a tangling opening in the RoTac³ and then tangled. “BCF yarn manufacturers can now also use the RoTac³ for yarns of up to 6,800 dtex. They not only benefit from energy savings due to lower compressed air consumption and considerably more even tangling knots, manufacturers can also respond more flexibly to market requirements and hence expand their product portfolio”, explains Arnd Luppold, BCF Sales Director, talking about the advantages of plying using the RoTac³.

Even at high production speeds, tangling knots can be set much more evenly with the RoTac³ than in the case of other conventional tangling units. Frequent tangling glitches are now a thing of the past. This ensures better yarn quality and has a positive impact on further processing. The result: the carpet has a visibly more even appearance. Furthermore, compressed air consumption is reduced by up to 50 percent, depending on yarn type.

The 3-in-1 plying package is optionally available for the BCF S+ and BCF S8 with RoTac³ systems and can also be retrofitted on request.

3,138 characters including spaces



Caption: Even at high production speeds, tangling knots can be set much more evenly with the RoTac³ than in the case of other conventional tangling units.

For further information:

Claudia Henkel
Marketing, Corporate Communications
& Public Affairs
Tel. +49 4321 305 105
Fax +49 4321 305 212
claudia.henkel@oerlikon.com

André Wissenberg
Marketing, Corporate Communications
& Public Affairs
Tel. +49 2191 67 2331
Fax +49 2191 67 1313
andre.wissenberg@oerlikon.com



About Oerlikon

Oerlikon (SIX: OERL) is a global innovation powerhouse for surface engineering, polymer processing and additive manufacturing. Its solutions and comprehensive services, together with its advanced materials, improve and optimize the performance, function, design and sustainability of its customers' products and manufacturing processes in key industries. Oerlikon has been a technology pioneer for decades. All developments and activities have their origins in the passion for supporting customers in achieving their objectives and increasing sustainability. Headquartered in Pfäffikon, Switzerland, the group has two divisions: Surface Solutions and Polymer Processing Solutions. The group has a global footprint of more than 11,800 employees at 207 locations in 38 countries and generated sales of CHF 2.65 billion in 2021.

For further information: www.oerlikon.com

About the Oerlikon Polymer Processing Solutions division

With its Oerlikon Barmag, Oerlikon Neumag, Oerlikon Nonwoven and Oerlikon HRSflow brands, the Oerlikon Polymer Processing division focuses on manmade fibers plant engineering and flow control equipment solutions. Oerlikon is one of the leading providers of manmade fiber filament spinning systems, texturing machines, BCF systems, staple fiber systems and solutions for the production of nonwovens and – as a service provider – offers engineering solutions for the entire textile value added chain. Furthermore, Oerlikon offers a range of a high-precision flow control solutions. This currently includes a large selection of gear metering pumps for the textile and other sectors such as automobile construction, the chemical industry and the dyes and lacquers industry. With Oerlikon HRSflow, the division develops innovative hot runner systems for the polymer processing industry. In collaboration with Oerlikon Balzers, it offers highly-efficient, effective coating solutions from a single source.

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 its range of polycondensation and extrusion systems and their key components, the company caters to the entire manufacturing process – from the monomer all the way through to the textured yarn and other innovative polymer materials and applications. The product portfolio is rounded off with automation and Industrie 4.0 solutions.

The primary markets for the product portfolio 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. Oerlikon HRSflow is, above all, active in the key automotive markets. These include Germany, China, Korea and Brazil. Worldwide, the division – with more than 4,500 employees – has a presence in 120 countries with production, sales and distribution and service organizations. At the research and development centers in Remscheid, Neumünster (both Germany), San Polo di Piave / Treviso (Italy) 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/polymer-processing