

Press Release

Polyamide (PA) microfiber yarns

Further EvoQuench PA POY systems destined for China

Remscheid, August 15, 2019 – Oerlikon Barmag recently signed contracts for two orders with a total of 120 spinning positions for manufacturing polyamide POY yarn with Chinese yarn manufacturers. What makes this so special is the fact that all positions will be equipped with the EvoQuench radial quenching system for polyamide.

With this, two well-known yarn manufacturers are now committing to the EvoQuench concept to produce polyamide yarn, equipping themselves for the efficient manufacture of microfiber yarns in the process. The benefits of radial quenching vis-à-vis conventional cross-flow quenching when manufacturing microfibers are well-known from polyester processing: manufacturing outstanding quality in a more production-reliable manner, i.e. with fewer yarn breaks, is a convincing argument and makes producing polyamide microfibers considerably more efficient. “Used to create fabrics, the materials feel very pleasant to the touch”, comments Stephan Faulstich, Head of Development POY Process at Oerlikon Barmag, who has held the results of the currently sole operator of such a system in his hands. “I can imagine this will be used above all in the manufacture of sports apparel and underwear.”

Currently, Oerlikon Barmag is the world’s only supplier of an already operating radial quenching concept for polyamide. This was absolutely decisive for both customers – well-known polyamide yarn manufacturers from the Zhejiang and Fujian provinces. “We are anticipating a similar effect in the development of the polyamide market as we did in the case of polyester. The efficient production of high-end microfiber yarns has become possible with the introduction of radial quenching for polyester yarns; the products have quickly developed from niche into standard products”, assesses Regional Sales Director Detlef Heinze, talking about this quantum leap. The new systems are scheduled to begin manufacturing in early 2021. The high-end yarns are destined for global export.

2070 characters including spaces



Caption: Setting new standards in polyamide microfiber yarn manufacturing: the EvoQuench PA radial quenching system.



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About Oerlikon

Oerlikon (SIX: OERL) develops modern materials, systems and surface technologies and provides specialized services aimed at securing high-performance products and systems with long lifespans for customers. Supported by its technological core competencies and its strong financial footing, the corporation continues its medium-term growth plan by implementing three strategic factors: focusing on attractive growth markets, ensuring structural growth and expanding through targeted M&A activities. Oerlikon is a globally-leading technology and engineering corporation, operating its business in two segments (Surface Solutions and Manmade Fibers) and employing around 10,500 members of staff at 175 sites in 37 countries worldwide. In 2018, Oerlikon generated sales of CHF 2.6 billion and invested around CHF 120 million in research & development.

For further information: www.oerlikon.com

About Oerlikon Segment Manmade Fibers

With its Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven brands, Oerlikon Manmade Fibers segment is the world market leader for manmade fiber filament spinning systems, texturing machines, BCF systems, staple fiber systems, solutions for the production of nonwovens 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 (e-save). With the supply of continuous polycondensation and extrusion systems and their key components, the company caters to the entire process – from the monomer all the way through to the textured yarn. The product portfolio is rounded off by automation and industry 4.0 solutions. The primary markets for the products 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. Worldwide, the segment – with just under 3,000 employees – has a presence in 120 countries of production, sales and distribution and service organizations. At the R&D centers in Remscheid, Neumünster (Germany) 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/manmade-fibers