

Press Release**Energy-efficient yarn manufacture****Cationic-dyeable yarns have established themselves in the market**

Remscheid, August 13, 2020 – the to date largest system for cationic dyeable yarns has been manufacturing in China with great success for over a year now. The installation, with a capacity of 600 tons of POY filament yarn a day, instantly catapults the system operator into the vanguard of cutting-edge producers: with its high-quality products, the well-known Chinese yarn manufacturer has secured itself a 30-percent market share in China.

An additive in the melt ensures easier and superior uptake of dye, meaning that this special type of yarn uses very little water during the dyeing process and hence generates less environmental pollution. As a result of (chemically-) modifying the polymer, the fibers or filaments score points due to the lower temperatures required within the dyeing process, while producing consistently-brilliant dyeing results. The product is visually striking with its extremely-shiny, lively colors. Excellent processing properties – with simultaneously extremely low energy consumption and considerably reduced CO₂ emissions – ensure a high level of efficiency in the case of this sustainable product.

The high capacity and the favorable production costs associated with the direct spinning process make the yarn considerably more attractive for further processing compared to production methods available to date. This opens up a new, broader application window for cationic dyeable yarns.

International yarn manufacturers have been producing such yarns within the context of the POY and FDY process on machines and systems supplied by the Remscheid-based solutions provider for 30 years now.

1,724 characters including spaces



Caption: Cationic-dyeable products stand out with their extremely-shiny, lively colors.



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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 11,100 members of staff at 182 sites in 37 countries worldwide. In 2019, Oerlikon generated sales of CHF 2.6 billion and invested more than CHF 120 million in research & development.

For further information: www.oerlikon.com

About the Oerlikon Manmade Fibers segment

With its Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven brands, the Oerlikon Manmade Fibers segment 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.

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. 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. Worldwide, the segment – with just under 3,000 employees – has a presence in 120 countries with 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-fiber