

Press Release**Original parts****Manufacturers of spun-dyed yarns profit from innovative micro-components**

Remscheid, Milan, November 12-19, 2015 – The trend towards spun-dyed yarns continued unabated. The reasons for this are superior color-fastness, cost advantages and, above all, tighter environmental rules and regulations for dyeing works within the Chinese market. One logical consequence is that this trend is also having an influence on the development of micro-components and original parts. As a technology company, the Oerlikon Manmade Fibers segment focuses on solutions for customer specific requirements and looks into the subject of spun-dyeing during ITMA.

To this end, the After Sales Services division has developed a new sensor that identifies yarn breaks in particularly critical yarns such as extra-fine or spun-dyed yarns. Conventional optical sensors frequently do not register extremely fine or colored yarns and therefore signal a yarn break which results in a direct interruption to the spinning process. And the black yarns so common in the automobile industry are a particularly serious challenge for sensor technology.

With a second 'eye', the new dual sensor of the Manmade Fibers segment can prevent this misdetection, reliably identifying yarn breaks.

New material for yarn guides extends running times considerably

Spun-dyed yarns are a huge challenge for small components used in texturing as well. To this end, spun-dyed yarns result in considerably faster wear to the coatings of yarn guides. And black yarns in particular have a very aggressive impact on yarn guides as a result of their high carbon content. With increasing market shares for black yarns, this is a considerable cost factor for texturing companies.

In trials, the development of a new material for coating the yarn guides has produced outstanding results. Whereas conventional yarn guides used when processing black yarns can in extreme cases be damaged in just two days of operation, the deployment periods have been considerably extended in the case of the new coating. "One of our customers has been running the new yarn guides without any noticeable wear and with outstanding yarn parameters for six months now", reports After Sales Manager Achim Beul, talking about the new coating in practice.

Due to the extreme loads within the texturing machine, the friction unit inlet guides in the friction units were initially coated with the new material; further yarn guides are currently in preparation.

383 words

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About Oerlikon

Oerlikon (SIX: OERL) is a leading global technology Group, focusing on providing market-leading technologies and services for surface solutions, manmade fibers manufacturing, drive systems and vacuum pumps and components in growth markets. These cutting-edge technologies benefit customers by improving their product performance, productivity, efficient use of energy and resources, and also by contributing to a more sustainable environment. A Swiss company with over 100 years of tradition, Oerlikon has a global footprint of over 15 500 employees at more than 200 locations in 36 countries and sales of CHF 3.2 billion in 2014. The company invested CHF 121 million in R&D in 2014 and has over 1 300 specialists developing innovative and customer-oriented products and services.

For further information www.oerlikon.com

About Oerlikon Manmade Fibers Segment

Oerlikon Manmade Fibers Segment 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.

For further information: www.oerlikon.com/manmade-fibers