Press Release

Efficient BCF yarn tangling

RoTac³ tangling unit with comprehensive modifications

Neumünster, March 19, 2020 – major technological changes to Oerlikon Neumag's RoTac³ tangling unit produce even more efficient BCF yarn tangling. On the one hand, the tangling nozzle has been flow-optimized, allowing the air pressure to be lowered by approximately 10 percent compared to its predecessor, while maintaining the same knot strength. Furthermore, the nozzle bearing arrangements have been improved. Consequently, either higher speeds or nozzle rings with greater numbers of holes can be used, generating more knots in the yarn.

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

Stable and efficient yarn production is hugely important to yarn manufacturers. Not only does the evenness of the tangling knots make the investment interesting, so too does the energy efficiency of the RoTac³. The tangling unit requires up to 50 percent less energy for generating compressed air. Against the background of rising energy prices, this represents an excellent prerequisite for optimizing production costs.

Oerlikon Neumag has been able to secure various retrofit contracts since the launch of the RoTac³ in 2015. And new systems are predominantly equipped with RoTac³. The RoTac³ is included in the standard scope of delivery for the newer BCF S8 system. The tangling unit is available as an option both for the single-end Sytec One system and the three-end S+ and it can also be retrofitted on request.

1,765 characters including spaces

Caption: Even more efficient and economical – the modified RoTac³ is part of the BCF S8's standard scope of delivery

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) engineers materials, equipment and surfaces and provides expert services to enable customers to have high-performance products and systems with extended lifespans. Drawing on its key technological competencies and strong financial foundation, the Group is sustaining mid-term growth by addressing attractive growth markets, securing structural growth and expanding through targeted mergers and acquisitions. A leading global technology and engineering Group, Oerlikon operates its business in two Segments – Surface Solutions and Manmade Fibers – and has a global footprint of more than 11 100 employees at 182 locations in 37 countries. In 2019, Oerlikon generated CHF 2.6 billion in sales and invested more than CHF 120 million in R&D.

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