

Press release

Oerlikon Barmag at ITMA Asia + CITME 2016

World's first bottle-to-POY spinning line

Remscheid, Shanghai, October 21, 2016 – Oerlikon Barmag will be informing visitors to this year's international trade fair ITMA Asia and CITME 2016 between October 21 and 25 at the new National Exhibition Center China (NECC) in hall 2, booth A16 in Shanghai about latest developments in the field of recycling solutions for spinning.

The VarioFil R+ is the world's first POY spinning line which uses recycled bottle flakes as feedstock for dope-dyed textile POY. The line provides several technological features such as a special extrusion system for bottle flake materials, the latest metering and blending technology for dope-dyeing and an advanced 2-step melt filtration. The result is a high quality dope-dyed POY. The turnkey machine comprises 4 spinning positions, each equipped with an Oerlikon Barmag 10-end WINGS POY winder.

Bottle flakes instead of rPET chips: VarioFil R+ reduces spinning process for one step

PET has become the primary material for beverage packaging, billions of PET bottles are used worldwide each year. This huge quantity of PET bottles, usually disposed as waste after initial use, is a perfect source of raw material for the sustainable production of synthetic fibers. Furthermore, the reutilization of resources and raw materials, along with energy saving production processes, are becoming increasingly popular. The VarioFil R+ concept combines all these trends. It uses PET bottle flakes as a raw material, which avoids the additional pelletizing of bottle flakes into rPET chips. This leads to a significant advantage in terms of investment and energy costs. It also provides the latest technology for dope-dyeing, which is the most resource-saving dyeing process. Hence, the development of VarioFil R+ underlines the trend of increasing demand for textiles made from yarns which have a 'sustainable background'. It also provides the possibility for recycling companies to sell high-quality yarns instead of bottle flakes, therefore generating added value.



Oerlikon Barmag first bottle-to-POY spinning line.

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About Oerlikon

Oerlikon (SIX: OERL) is a leading global technology Group, with a clear strategy of becoming a global powerhouse in surface solutions, advanced materials and materials processing. The Group is committed to investing in value-bringing technologies that provide customers with lighter, more durable materials that are able to increase performance, improve efficiency and reduce the use of scarce resources. A Swiss company with over 100 years of tradition, Oerlikon has a global footprint of over 13 500 employees at more than 170 locations in 37 countries and sales of CHF 2.7 billion in 2015. The company invested CHF 103 million in R&D in 2015 and has over 1 350 specialists developing innovative and customer-oriented products and services.

For further information: www.oerlikon.com

About the Oerlikon Manmade Fibers segment

With its Oerlikon Barmag and Oerlikon Neumag brands, Oerlikon Manmade Fibers segment is the world market leader for manmade fiber filament spinning systems, texturing machines, BCF systems, staple fiber systems, nonwovens and artificial turf systems 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. 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, and – for Oerlikon Neumag – in the USA, Turkey and China. Correspondingly, Oerlikon Barmag and Oerlikon Neumag – with just under 2,500 employees – has 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