

Press Release

Future trend: biodegradable polymers

Oerlikon Barmag Huitong Engineering commissions its first PBS system

Remscheid / Yangzhou, January 28, 2021 – a polybutylene succinate (PBS) polycondensation system was commissioned at Yingkou Kanghui Petrochemical Co. Ltd. in Dalian in the Chinese Liaoning Province at the beginning of January 2021. The PBS system, for which Oerlikon Barmag Huitong Engineering supplied both equipment and engineering, has a daily production capacity of 100 tons.

It is used to manufacture high-viscosity chips for biodegradable films. Consequently, Yingkou Kanghui, a subsidiary of the Hengli Group, is catering to rising demand for biodegradable polymer products – demand that is increasing not just in China, but across the globe. Yingkou Kanghui Petrochemical Co., Ltd., founded in 2011, predominantly produces polyester chips and films. By expanding its portfolio to include the manufacture of PBS products, the enterprise is positioning itself as a pioneer of biopolymer production: In view of the large quantities of plastic waste not just in the oceans, biopolymers are considered the materials of the future.

The new plant at Yingkou Kanghui Petrochemical Co, Ltd. was production-ready with the support of Oerlikon Barmag Huitong Engineering within less than 14 months following contract signing.

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Caption: The PBS system at Yingkou Kanghui Petrochemical Co. Ltd. was production-ready within just 14 months. Initially, the company will use the new equipment to produce the biodegradable copolymer polybutylene adipate terephthalate (PBAT).



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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 Divisions – Surface Solutions and Manmade Fibers – and has a global footprint of around 11 000 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 the Oerlikon Manmade Fibers division

With its Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven brands, the Oerlikon Manmade Fibers division 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 division – with more than 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-fibers