

Oerlikon Barmag Huitong Engineering (OBHE) supplies polycondensation plant for sustainable production

FixDye to produce recycled dope-dyed filament yarn with rPET flakes on systems of Oerlikon Barmag Huitong Engineering

Remscheid, 16. May 2024 - The recycled polyester yarn manufacturer FixDye has opted for the polycondensation system manufacturer Oerlikon Barmag Huitong Engineering (OBHE) to increase its production capacities.

The company, based in Huai'an, China, is thus expanding its production capacities in melt preparation, the production stage upstream of the spinning mill. This will not only allow FixDye to better influence yarn quality, but also to keep an eye on the supply chain of its products, regardless of external influences. This is an unbeatable advantage when it comes to the ambitious goals of the circular economy.

The plant with a capacity of 3 x 180 tons per day of recycled bottle flakes for textile filament yarn is a clear commitment to the sustainable textile industry. From mid-2025, it will mainly produce FDY and POY/DTY for the European and US markets. The yarns produced are spun-dyed for ecological reasons, zero water dyeing method.

With its sustainability concept, FixDye is a pioneer in the textile industry. Certified by numerous recognized institutes such as GRS, BSCI and OEKO-TEX, the company produces everything from recycled melts to textile surfaces for well-known international textile and sporting goods manufacturers. "In the medium term, FixDye also wants to offer materials produced using the Textile-2-Textile recycling process," explains Ivan Ye, CMO of FixDye. "Confidence in the reliability of the highly efficient systems and the sustainable, energy-saving concept were the decisive aspects in choosing OBHE as the supplier of the polycondensation system," adds General Manager Kevin Wang.

1845 characters including spaces



Caption:

Oerlikon Barmag Huitong Engineering's polycondensation systems stand for the best downstream performance and a reduced environmental footprint.



Caption:

Becomes textile yarn again: recycled bottle flakes

About Oerlikon Polymer Processing Solutions Division

Oerlikon is a leading provider of comprehensive polymer processing plant solutions and high-precision flow control component equipment. The division provides polycondensation and extrusion lines, manmade fiber filament spinning solutions, texturing machines, BCF and staple fiber lines as well as nonwoven production systems. It also develops and produces advanced and innovative hot runner systems and multi-cavity solutions for the injection molding industry. Its hot runner solutions serve business sectors, including automotive, logistics, environmental, industrial applications, consumer goods, beauty and personal care and medical. Moreover, Oerlikon offers customized gear metering pumps for the textile, automotive, chemical, dyes and lacquers industries. Its engineering competence leads to sustainable and energy-efficient solutions for the entire polymer processing value chain with a circular economy approach.

Oerlikon Polymer Processing Solutions Division serves customers through its technology brands – Oerlikon Barmag, Oerlikon Neumag, Oerlikon Nonwoven and Oerlikon HRSflow – in around 120 countries with production, sales, distribution and service organizations.

The division is part of the publicly listed Oerlikon Group, headquartered in Switzerland, which has more than 12 600 employees and generated sales of CHF 2.7 billion in 2023.

For further information: www.oerlikon.com/polymer-processing

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