

Oerlikon Barmag WINGS FDY FLEX

One for all - all-rounder proves itself under production conditions

Remscheid, March 27, 2025 - At last year's ITMA Asia, Barmag, a subsidiary of the Swiss Oerlikon Group with its product brands Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven, presented WINGS FDY FLEX, the latest member of the WINGS family. One year later, it is time for a summary.

The company set out with the aim of offering a WINGS for the entire range of polyester FDY yarns. Fast-moving trends, the demand for a wide variety of special yarn types – the textile market is currently confronting yarn manufacturers with constantly changing requirements. To meet these demands, extreme flexibility on the part of producers is essential.

Successful under production conditions

The all-rounder WINGS FDY FLEX has already impressed two Asian yarn manufacturers over the past twelve months. With Bico yarns, rPET, Full Dull and Semi Dull, Cationic Dyable and dope dyed, as well as other specialty products, the range of WINGS FDY FLEX is unique in the WINGS family. Especially in the low denier range, the new addition beats the competition by far. Hence, WINGS FDY FLEX manages the balancing act between class and mass with ease.

Another plus point: compared to the competition, WINGS FDY FLEX produces at higher speeds with the exceptionally high full winding rates that WINGS is known for. Hence, the system concept is unbeaten in terms of economic efficiency. In addition, there are the familiar features of the WINGS concept: significantly faster feeding and exceptional user-friendliness – the core competence of all WINGS family members – make production more efficient, cause less waste and increase the safety of the operating personnel. The new, patented tangling technology tailored to the flexible processes also ensures the excellent yarn processability typical of WINGS.

Part of a strong family

The WINGS FDY portfolio is complemented by the PLUS and PLUS ECO variants. Their strengths lie primarily in the economical production of first-class semi-dull and trilobal bright yarns. The WINGS concept has also been tried and tested in the PA6 process. Since its market launch in 2020, WINGS has been the first choice for polyamide 6 producers all over the world.

2275 characters incl. spaces



Caption 1

More flexibility for a demanding yarn market: WINGS FDY FLEX opens up a wide range of products for quality-oriented yarn manufacturers.

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Caption 2

The special configuration of the stretching area allows the processing of a wide range of specialty products with a WINGS concept.

About Barmag

Since 2025, the Swiss Oerlikon Group has continued its manmade fiber business as a subsidiary under the traditional name Barmag. This includes the established product brands Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven. As a future-oriented company, research and development are focused on energy efficiency and sustainable technologies (e-save).

Barmag is one of the leading suppliers of filament spinning systems for man-made fibers, texturing machines, BCF systems, staple fiber systems and solutions for the production of nonwovens. Together with its range of polycondensation and extrusion systems and their key components, Barmag thus covers the entire manufacturing process - from monomer to textured yarn - and supports it with customer-oriented engineering services. The product portfolio is rounded off by automation and digitalization solutions. In addition, Barmag offers high-precision gear metering pumps for the textile industry and other sectors, including the automotive, chemical and paint industries.

The main markets for the Barmag product portfolio are in Asia, particularly in China, India, Turkey and the USA. Barmag employs around 2,500 people worldwide and is represented by production, sales and service organizations in 120 countries. In the research and development centers in Remscheid, Neumünster (Germany) and Suzhou (China), highly qualified engineers, technologists and technicians develop innovative and technologically leading products for the world of tomorrow.

Oerlikon (SIX: OERL) is a global leader in surface technologies. Headquartered in Pfäffikon, Switzerland, the Group has over 12,000 employees at 199 locations in 38 countries with sales of CHF 2.4 billion in 2024.

Further information at: www.barmag.com

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