

Barmag at the Morocco Stitch & Tex Expo 2025

With its DTY solutions, Barmag is focusing on sustainability

Remscheid, April 03, 2025 – With a clear focus on sustainability, Barmag, a subsidiary of the Swiss Oerlikon Group, is presenting comprehensive solutions from its product brands Oerlikon Barmag and Oerlikon Neumag for DTY and carpet yarn production at the Morocco Stitch & Tex Expo in Casablanca. From May 13 to 15, trade visitors can talk to experts from Barmag and the joint venture BB Engineering (BBE) at the Unionmatex booth (booth D4) to get an idea of the portfolio of the chemical fiber machine manufacturer.

Sustainable and efficient – the production of DTY yarns

Oerlikon Barmag offers a wide range of DTY machine configurations for the efficient and sustainable production of high-quality textured yarns made of various polymers – from polyester and polyamide to polypropylene, PLA and PTT. The modular machines – whether manual or automatic – produce yarns for excellent downstream processing at optimal OPEX costs.

Fancy yarns increasingly in demand

The demand for textiles with special characteristics is continuously increasing. For the production of these effect yarns, such as cotton-like DTY, linen-like DTY or wool-like DTY, Oerlikon Barmag offers a variety of processes and additional components. With its high-quality and flexible technology as well as its detailed knowledge of the yarn path and the required parameter settings, Oerlikon Barmag is the ideal partner for the successful and flexible production as well as the continuous further development of these specialty yarns.

Extended product range for carpet yarns

Thanks to its comprehensive knowledge of all relevant technologies in manmade fiber spinning, Oerlikon Barmag is the only manufacturer worldwide that can expand its range for the production of carpet yarns. The system concept, based on a POY and texturing process, is designed for the carpet and home textile sector and produces particularly soft and bulky polyester threads with BCF-like properties. The aim is to produce yarns with a titer of up to 1300dtex and over 1000 filaments, such as 1300dtex f1152, 660dtex f1152 and 990dtex f768. The machine concept includes the well-known WINGS HD POY winder and the eAFK Big-V texturing machine.

Innovative bicomponent BCF yarn for the carpet market

Quality, efficiency and performance – with its latest development in the field of bicomponent yarns for carpet production, Barmag's product brand Oerlikon Neumag is meeting the carpet market's demand for innovative BCF yarns. The new BICO-BCF yarn is characterized by a richer and higher volume and simultaneously significantly reduces the raw material consumption during carpet manufacturing.

VarioFil® – versatile compact spinning system for diverse applications and specialties

The VarioFil® system from BBE is ideal for a broad range of products, whether it be carpets, upholstery fabrics, fashion, sports, seat belts or airbags. This compact turnkey spinning line is particularly suitable for producers of small batches or specialized products. It flexibly processes various polymers such as

PET, PP, PA 6, PA 6.6 and PBT. In combination with Oerlikon Barmag texturing machines, a wide range of textile standard yarns as well as textured yarns with BCF-like properties can be produced.

The VarioFil® R+ enables the direct recycling and processing of PET bottle flakes and PET waste from the start-up process into POY. This sustainable machine concept offers a high degree of product flexibility, including the production of spun-dyed yarn.

JeTex® air texturing offers a versatile product portfolio

BB Engineering also offers flexible solutions for the subsequent texturing of yarns. The JeTex® air texturing system perfectly complements the Oerlikon Barmag DTY systems and expands the product portfolio to include high-quality ATY based on POY and FDY for various textile applications. The centerpiece of the system is the texturing box developed by BB Engineering, which ensures gentle yarn treatment with reliable texturing effects and production efficiency.

“From waste to value” with VacuFil and Visco+

BBE's VacuFil PET recycling system transforms textile waste into high-quality rPET melt. The technology is based on decades of experience in extrusion, filtration and spinning and combines gentle large-area filtration with targeted IV control. VacuFil processes various input materials, from bottle flakes to production waste and post-consumer waste. The patented Visco+ component removes volatile contaminants and automatically regulates the IV. The recycled melt can be added to the main melt stream, pelletized into chips or fed directly back into the spinning mill. The VacuFil system is modular and flexibly adaptable to customer needs.

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Caption 1:

The eAFK Big V multi-spindle texturing machine is a central component of the Oerlikon Barmag product brand for manufacturing high-quality, high-titer yarns.



Caption 2:

The BCF S8 system from Barmag's product brand Oerlikon Neumag offers high productivity and expands the product portfolio to a level that can survive in a constantly changing market.



Caption 3:

The JeTex air texturing machine from BB Engineering ensures both gentle yarn treatment with reliable texturing effects and efficient production.



Caption 4:

The modular VacuFil® system from BB Engineering converts both post-consumer and post-production polyester waste into valuable resources.

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 manmade 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.

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