Egy Stitch & Tex Expo 2025: Oerlikon Manmade Fibers Solutions sets the tone in the Egyptian market

Focus on DTY solutions

With a clear focus on the needs of the Egyptian market, Oerlikon Manmade Fibers Solutions will be presenting itself at the Egy Stitch & Tex Expo 2025 in Cairo from February 20 to 23, 2025. At the booth of Oerlikon agent ATAG Ltd. Trading Export & Import in Hall 1, Booth 1A12, experts from Oerlikon Barmag and from BB Engineering (BBE) will be explaining the comprehensive product and service portfolio.

The comprehensive DTY solutions from Oerlikon Manmade Fibers Solutions are the focus of the trade show appearance:

DTY yarns – uncompromising quality and maximum flexibility
Clothing, home textiles, automotive – there are countless applications for textured yarns. For the efficient and sustainable production of high-quality textured yarns made of different polymers, from polyester and polyamide to polypropylene, PLA and PTT, Oerlikon Barmag provides a wide range of different DTY machine configurations. With sophisticated components, expertise and proven technology, the modular DTY machines – whether manual or automatic – produce textured yarns for excellent downstream processing, while keeping OPEX costs to a minimum.

Increasing demand for fancy yarns
“But the demand for textiles with special properties, irregularities and a special look and feel is also becoming more and more important,” explains Jilali Lakraa, Regional Sales Director at Oerlikon Barmag. ”For such fabrics, so-called fancy yarns are required that deviate from the standard, e.g. cotton-like DTY, linen-like DTY or wool-like DTY. Effect yarns include a very wide range of yarn types that are manufactured using a variety of methods and additional components,” he continues. With its high-quality and flexible technology, detailed knowledge of the yarn path and the necessary parameter settings, Oerlikon Barmag is the ideal partner for the successful and flexible production and continuous development of these specialty yarns.

Extended product range for the manufacture of carpet yarns
The knowledge of all relevant technologies in manmade fiber spinning allows Oerlikon Barmag, as the only manufacturer worldwide, to extend its range of services for the production of carpet yarns. The system concept based on a POY and texturizing process is designed for a carpet and home textile product area that requires particularly soft and bulky polyester threads with BCF-like properties. The aim here is to produce yarns with a titer of up to 1300dtex and typically over 1000 filaments. Typical products include, for example, 1300dtex f1152 or 660dtex f1152 and 990dtex f768. The machine concept consists of the familiar WINGS HD POY winder and the eAFK Big-V texturing machine.

VarioFil® – flexible compact spinning system for countless applications and specialties
Whether carpets or upholstery fabrics, fashion or sportswear, or seat belts or airbags – a wide range of products is no challenge for the VarioFil® system from BBE. This compact turnkey spinning system is also ideal for producers who manufacture small batch sizes or specialized products. It is similarly flexible when processing various polymers, regardless of whether it is PET, PP, PA 6 and PA 6.6 or PBT.

Customized conversion packages enable quick adaptation of the system to constantly changing market demands. In combination with Oerlikon Barmag texturing machines, a wide range of end products can be covered. This ranges from standard textile yarns to textured yarns with properties similar to BCF.

Furthermore, with the VarioFil® R+ it is possible to recycle and process PET bottle granulate and PET waste, which is produced during start-up, directly back into POY. The sustainable machine concept allows for high product flexibility, including the manufacturing of spun-dyed yarn.

JeTex® air texturing enables a broad and flexible product portfolio

And for BB Engineering, it does not stop with yarn spinning: the Oerlikon Barmag subsidiary also offers a solution for texturing – with a flexibility similar to VarioFil®. The JeTex air texturing system perfectly complements the Oerlikon Barmag DTY system, thus enabling the customer to expand its product portfolio to include high-quality ATY based on POY and FDY for a wide range of textile and industrial applications. The core element of the system is the texturing box developed by BB Engineering, which, in addition to many other state-of-the-art components from Oerlikon Barmag, ensures both gentle yarn treatment with reliable texturing effects and production efficiency in terms of OPEX, handling and speed.

Particularly smart: JeTex® is not only available as a closed system, but also as a conversion variant for existing Oerlikon Barmag DTY systems. This allows customers to expand or convert their product portfolio to ATY in a cost-saving and comparatively short time.

Versatile PET recycling solutions with VacuFil and Visco+

“From waste to value” – that's what BBE's VacuFil PET recycling system does. It is specially designed for high-quality processing of textile waste. The technology is unique and based on decades of experience in extrusion, filtration and spinning: it combines gentle large-area filtration with targeted IV regulation for consistently excellent rPET melt quality, comparable to virgin material. A wide range of input materials can be processed: in addition to the usual bottle flakes, VacuFil is particularly suitable for production waste from spinning mills, from start-up lumps to yarn and fabrics, and can also handle post-consumer waste. The patented key component Visco+, a liquid-state polycondensation, quickly and reliably removes volatile impurities and automatically regulates the IV. There are also various options for further processing the recycled melt. The melt can be added to the main melt flow, processed into chips via a pelletizing process or fed directly back into the spinning mill. The VacuFil recycling system can thus be flexibly and modularly customized to the customer's requirements.

Customer Services – Partnering for Performance

With Oerlikon Barmag's Lifecycle Management, chemical fiber producers can maintain and improve the future viability of their machines and systems. Pragmatic solutions for increasing and safeguarding productivity, including opening up new markets, enable profitable business over the entire service life of the machines. As a partner, Oerlikon Barmag offers leading technologies and services for long-term competitiveness – from upgrades and modernizations to preventive maintenance and repairs with original parts. The original part packages are explicitly designed for the demanding use of the systems for which they are intended. Due to their high-quality standards, they have a significantly longer service life than other spare parts. This avoids unplanned production downtimes and saves money in the end.

Upgrade solutions are based on the existing machine platforms, regardless of whether they are

- technology upgrades to expand the product range and increase competitiveness,
- process upgrades to improve throughput and yarn properties,
- component upgrades to improve life expectancy, ease of use and cost savings, or
- software upgrades.



The eAFK Big V multi-spindle texturing machine is part of Oerlikon Barmag's efficient solution for manufacturing high-quality, high-tenacity yarns.



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