News release

Barmag at K 2025

Focus on sustainability throughout the entire process chain

Remscheid, August 7, 2025 – With a clear focus on sustainability, Barmag, a subsidiary of the Swiss Oerlikon Group, will present comprehensive solutions from its Oerlikon Barmag and Oerlikon Neumag product brands for the plastics industry at K 2025. Under the motto "Barmag Recycling Technologies – Closing the Loop. Opening Potential," Barmag will inform trade visitors about its wide range of services in the field of plastics manufacturing and processing from October 8 to 15. The team of experts from Barmag and its joint ventures BB Engineering (BBE) and Oerlikon Barmag Huitong Engineering (OBHE) will be waiting to welcome visitors in Hall 10, Booth H12.

"Our technologies enable our customers to achieve a closed-loop economy in the plastics industry, particularly in the packaging and chemical fiber industries. From melt preparation and cleaning to melt conveying, granulation, and spinning—we have all the technologies in-house, everything from a single source," says Barmag CEO Georg Stausberg, referring to innovative technologies for polycondensation and extrusion systems, new recycling solutions, sustainable manufacturing processes for filtration applications, and high-quality gear pumps.

Polycondensation and sustainability
High-quality melt has a direct impact on the end product. It forms the basis for high-quality bottle, film, and fiber polyester. OBHE's homogenization technology stands for the thermomechanical recycling of processed post-industrial polyester waste such as bottle flakes and film. The Oerlikon Barmag Homogenizer ensures a homogeneous melt, enabling a targeted increase in viscosity to produce defined rPET precursors for further processing, such as melt, granulate or fiber material for direct spinning.

Extrusion and recycling – extrusion pumps as a key factor
Ever more precise product tolerances are a key feature of the further development of modern products such as capacitor films, packaging films, monofilaments, stretched film strips, tubes, and window profiles. At this year's trade fair, Barmag will be presenting extruder pumps that significantly improve extrusion processes: The product flow is conveyed homogeneously thanks to constant pressure build-up and reduced pulsations. The result is extruded end products of consistently high quality. At the same time, the extruder is relieved, which leads to less wear. Another advantage is that fluctuations in material viscosity are compensated by the extruder pump. The wide product portfolio of the GE and GC series covers delivery volumes from 4.7 to 12,800 cm³/rev, offering tailor-made solutions for a wide range of extrusion requirements.

Pump solutions for polymer production and processing
Another focus is on the monomer, pre-polymer, and polymer discharge pumps of the GL and GD series. With delivery volumes from 4.7 to 21,100 cm³/rev, these pumps are suitable for different production capacities and a wide viscosity range—for maximum versatility in various processes. All pump models are also available as complete units, including the drive train and other components. This allows for individually tailored system solutions.

Oerlikon Textile GmbH & Co. KG
Leverkuser Str. 65
D-42897 Remscheid

T +49 2191 67 0
F +49 2191 67 1313
www.barmag.com

The ZP series continues to offer high-precision gear pumps that are ideal for demanding applications such as viscosity measurement thanks to their exceptional metering accuracy and wide viscosity range.

Precision that sets standards – metering technology for versatile industrial applications
The precise dosing of demanding media plays a central role in many industrial sectors. Whether in the chemical, plastics, paint, or coatings industry, Barmag pumps handle even the most complex PUR applications reliably and efficiently. The highly accurate and safe handling of toxic or low-viscosity media is particularly challenging. With the GM and GA series and the matching components, Barmag offers the ideal solution for these sensitive areas of application. Pumps in the GM series achieve precise dosing thanks to low-pulsation feed of the flow rate. The multi-stage GM pump conveys low-viscosity media even under high pressure. Ideal for precise dosing processes under the most demanding conditions.

The Barmag drum pump is specially designed for pumping and dosing highly viscous media such as adhesives or silicones. It enables reliable extraction directly from drums or other large containers – even under pressure conditions of up to 250 bar. What makes it special is not only that it discharges highly viscous materials from the drum, but also that the medium can be dosed directly without any further intermediate stops.

The proven durability of Barmag gear pumps enables sustainable, efficient production and makes an important contribution to conserving resources.

Solutions for plastic recycling
Barmag's joint venture company BB Engineering (BBE) has been an expert in extrusion and filtration for decades. Its single-screw extruders are designed for a wide range of polymers such as PP, PET, rPET, PA, and PE and are particularly suitable for demanding applications in film production, synthetic fiber spinning, and high-quality PET recycling. With screw diameters ranging from 30 to 360 mm, the systems cover a wide processing spectrum and enable throughputs of 3 to 6,000 kg/h, depending on the material and process requirements. In addition to single-screw extruders, BBE also offers extrusion cascades for high output rates combined with the highest quality requirements.

Efficient filtration for the purest melt qualities
As an ideal complement to extrusion technology, BBE offers a wide range of melt filters, including the new COBRA filter, which sets new standards in continuous polymer filtration. This high-performance system is equipped with automated valve switching and integrated inline intermediate cleaning. This ensures uninterrupted operation with consistently high filtration quality – a decisive advantage, especially when processing recycled materials with varying input consistency. With a maximum filter area of 24 m² and a throughput of up to 4,000 kg/h, the COBRA filter offers exceptional performance density and process stability.

Integrated recycling solutions for high-quality rPET melts
BBE has been intensively involved in the development of efficient technologies for plastics recycling for many years. In addition to a broad portfolio of extruders, melt filters, and the Spinnanlage VarioFil® R for PET recycling, the company offers VacuFil®, a fully integrated system for innovative PET LSP recycling (liquid state polycondensation).

VacuFil® combines large-area, gentle melt filtration with precise IV control, ensuring consistently high quality of the rPET melt. The modular system concept allows flexible adaptation to different material qualities and application areas in the recycling process. The central component of the system is Visco+®, a liquid phase polycondensation unit for precise viscosity adjustment. Continuous adjustment of the IV

results in a homogeneous melt with optimum processing properties – ideal for high-quality end products in the fiber, film, or packaging industry.

Open House at the Recycling Technology Center
Thanks to its proximity to the trade fair, visitors to the BBE Technology Center can experience live how PET waste is turned into high-quality recycled yarn (POY). On two days of the trade fair (October 10 and 13, 2025), there will be an open house where visitors can also see how the yarn produced is further processed using the JeTex air texturing system with a new auto-doff unit. (Participation by individual invitation).

7612 characters including spaces

Caption 1:
OBHE's homogenization technology stands for the thermomechanical recycling of processed post-industrial polyester waste.

Caption 2:
COBRA: The new COBRA continuous large-area fine filter from BB Engineering with automated valve switching and self-cleaning function.

Caption 3:
Visco+: BBE's Visco+ liquid state polycondensation unit for precise viscosity adjustment in PET recycling processes.

Caption 4:
Versatility from a single source: Oerlikon Barmag offers a comprehensive portfolio of extrusion pumps with delivery volumes from 4.7 to 12,800 cm³/rev – precisely tailored to a wide range of applications and requirements.

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. To-gether 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 digi-talization solutions. In addition, Barmag offers high-precision gear metering pumps for the textile in-dustry 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

Contact
Susanne Beyer
Marketing, Corporate Communications
& Public Affairs
Tel. +49 2191 67 1526
Fax +49 2191 67 1313
susanne.beyer@barmag.com

Ute Watermann
Marketing, Corporate Communications
& Public Affairs
Tel. +49 2191 67 1634
Fax +49 2191 67 1313
ute.watermann@barmag.com