

Press Release

Oerlikon Barmag at the Polyurethanex fair in Moscow

Demanding material requires customized pumps

Remscheid, March 11, 2021 – polyurethane (PUR) is conquering ever more areas of modern life – automobiles, furniture, shoes, medical technology and packaging. However, processing it is extremely complex and demands tailored solutions for the respective applications. Here, the Oerlikon Barmag precision metering pumps fulfill the very highest demands of the chemical industry – from highly-accurate metering all the way through to greater durability and superior efficiency. Visitors to the Polyurethanex trade fair (Pavilion 1, Stand 1A03), being held in Moscow between March 30 and April 01, 2021, will now also be able to convince themselves.

As soft foams, PUR in car seats, furniture upholstery and footwear and, as rigid foams, in insulation materials for buildings and cooling units. Vehicle manufacturers use it to produce composite components, while virtually every industry deploys cast PUR elastomers to create cushioning elements, rollers and many other items. This flexible material harbors huge potential and industrial competition is correspondingly dynamic: in demand are tailored PUR processing solutions for highly-efficient, rapid-response and, above all, environmentally-friendly mass production.

GM and GA pumps series for challenging applications

Oerlikon Barmag has been catering to the growing requirements with its gear metering pumps for many decades now. At the Moscow trade fair, the Remscheid-based company will be presenting its GM and GA ranges, along with the corresponding components for the most diverse applications. These pumps also reliably master the most demanding processes in the chemicals, plastics and paints and lacquers industries. They are characterized by low-pulsation feeding of the conveying medium, which promotes more accurate metering.

High-speed pumping despite poor lubrication

One of the greatest challenges here is the highly-accurate metering of poorly-lubricating and abrasive media. The high-speed metering pump was developed especially for this: "It is beneficial above all in cases of chemical manufacturing processes that focus on aggressive acids", emphasizes Thorsten Wagener, the sales expert responsible for industrial and chemical application pumps.

The main advantage of this high-speed pump is its sealed product space. The space that comes into contact with the media is therefore limited to the area around the gears. This extends the lifespan of the pump considerably.

2,537 characters including spaces



Caption: The metering pumps series for chemical applications is characterized by its short flow channels.

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About Oerlikon

Oerlikon (SIX: OERL) is a global innovation powerhouse for surface engineering, polymer processing and additive manufacturing. The Group's solutions and comprehensive services, together with its advanced materials, improve and maximize performance, function, design and sustainability of its customer's products and manufacturing processes in key industries. Pioneering technology for decades, everything Oerlikon invents and does is guided by its passion to support customer's goals and foster a sustainable world. Headquartered in Pfäffikon, Switzerland, the Group operates its business in two Divisions – Surface Solutions and Manmade Fibers. It has a global footprint of more than 10 600 employees at 179 locations in 37 countries and generated sales of CHF 2.3 billion in 2020.

For further information: www.oerlikon.com

About the Oerlikon Manmade Fibers division

With its Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven brands, the Oerlikon Manmade Fibers division is one of the leading providers of manmade fiber filament spinning systems, texturing machines, BCF systems, staple fiber systems and solutions for the production of nonwovens and – as a service provider – offers engineering solutions for the entire textile value added chain.

As a future-oriented company, the research and development at this division of the Oerlikon Group is driven by energy-efficiency and sustainable technologies (e-save). With its range of polycondensation and extrusion systems and their key components, the company caters to the entire manufacturing process – from the monomer all the way through to the textured yarn. The product portfolio is rounded off with automation and Industrie 4.0 solutions.

The primary markets for the product portfolio of Oerlikon Barmag are in Asia, especially in China, India and Turkey, and – for those of Oerlikon Neumag and Oerlikon Nonwoven – in the USA, Asia, Turkey and Europe. Worldwide, the division – with more than 3,000 employees – has a presence in 120 countries with production, sales and distribution and service organizations. At the R&D centers in Remscheid, Neumünster (Germany) and Suzhou (China), highly qualified engineers, technologists and technicians develop innovative and technologically-leading products for tomorrow's world.

For further information: www.oerlikon.com/manmade-fibers