Press Release

Innovation starts with creativity

A pioneer of the manmade fiber industry – Oerlikon Barmag celebrates its 100th anniversary

Remscheid, March 27, 2022 – **when the manmade fiber age began a century ago, a German company was responsible for the pioneering work involved. Barmag, established in 1922, was one of the world's first companies to construct machines for the large-scale production of synthetic staple fibers. To this day, the leading manufacturer of manmade fiber spinning systems and texturing machines in Remscheid – a brand under the aegis of the Swiss Oerlikon Group since 2007 – has shaped technological progress in this sector; in future, with ever more innovations focusing on sustainability and digitalization.**

Barmer Maschinenfabrik Aktiengesellschaft (Barmag) is founded in Barmen, located in the Bergische Land region, on March 27, 1922. The German and Dutch founders enter unchartered technological territory, one created as the result of a groundbreaking invention: in 1884, French chemist Count Hilaire Bernigaud de Chardonnet used nitrocellulose to produce the first so-called artificial silk, later known as rayon. The following decades see rapid development focusing on the search for synthetic textile fibers and their manufacturing technologies.

As one of the first machine factories, Barmag battles its way through the eventful early years of the manmade fiber industry, the 'Roaring Twenties' and the Great Depression – and suffers the extensive destruction of its factories at the end of World War Two. Rebuilding is successful. With the unstoppable success story of purely synthetic plastic fibers such as polyamide, the company flourishes from the 1950s through to the 1970s, establishing sites in all international, for the textile industry at the time important, industrial regions and garnering prestige across the globe in the process. In the ups and downs of expansion, global competition and crises, Barmag reaches the very pinnacle of the market and becomes the preferred technological development partner for the manmade fiber industries in China, India and Turkey. The company has been a high-impact brand under the umbrella of the Oerlikon Group since 2007.

On the wings of innovation

Today, Oerlikon Barmag is a leading supplier of manmade fiber filament spinning systems and part of the Manmade Fibers Solutions business unit of the Oerlikon Polymer Processing Solutions Division. And our aspirations have not diminished: “The striving towards innovation and technological leadership has been, is and will always be part of our DNA”, emphasizes Georg Stausberg, CEO of Oerlikon Polymer Processing Solutions.

In the past, this has been observable in such trailblazing innovations as the revolutionary WINGS generation of winders for POY in 2007 and WINGS for FDY in 2012. Currently, the focus of new and further developments is very much on digitalization and sustainability. Here, Oerlikon Barmag has – as one of the world’s first systems manufacturers – been implementing fully-networked smart factories for globally-leading polyester manufacturers since the end of the last decade. Within this context, digital solutions and automation are also helping to provide greater climate and environmental compatibility. This sustainability commitment is not only evidenced by the e-save label introduced for all products back in 2004: Oerlikon is endeavoring to also make all its sites carbon-neutral by 2030 and to acquire its energy exclusively from renewable sources. An ambitious target, whose achievement could be helped by the Oerlikon Barmag anniversary, states Georg Stausberg: “Innovation starts with creativity. And remembering the past provides plenty of motivation and inspiration for the future.”

Approx. 3,670 characters including spaces

Captions

Picture 1: After being founded in Wuppertal-Barmen in 1922, Barmag relocated to Remscheid-Lennep, its current site, in 1926. Here, the eventful history of the nascent company was continued on a green field.

Picture 2: In the early-1930s, the rayon spinning machine – in front of which the proud team is standing – was state-of-the-art.

Picture 3: Today, filaments are manufactured at speeds of up to 480 km/h using state-of-the-art spinning systems.

Pictures 4 and 5: A look at the state-of-the-art assembly of a WINGS winder (Picture 4) and at increasingly digital production (Picture 5).

Picture 6: Automation, as shown here in the doffing of wound packages, is an important milestone on the journey to digitally-networked Industrie 4.0 solutions.

Picture 7: Texturing machines, such as this eFK, give the spun yarn a textile, 'bulky' handle.

Picture 8: Georg Stausberg, CEO Oerlikon Polymer Processing Division and CSO Oerlikon

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About Oerlikon

Oerlikon (SIX: OERL) is a global innovation powerhouse for surface engineering, polymer processing and additive manufacturing. Its solutions and comprehensive services, together with its advanced materials, improve and optimize the performance, function, design and sustainability of its customers' products and manufacturing processes in key industries. Oerlikon has been a technology pioneer for decades. All developments and activities have their origins in the passion for supporting customers in achieving their objectives and increasing sustainability. Headquartered in Pfäffikon, Switzerland, the group has two divisions: Surface Solutions and Polymer Processing Solutions. The group has a global footprint of more than 11,800 employees at 207 locations in 38 countries and generated sales of CHF 2.65 billion in 2021.

For further information: www.oerlikon.com

About the Oerlikon Polymer Processing Solutions division
With its Oerlikon Barmag, Oerlikon Neumag, Oerlikon Nonwoven and Oerlikon HRSflow brands, the Oerlikon Polymer Processing division focuses on manmade fibers plant engineering and flow control equipment solutions. Oerlikon 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. Furthermore, Oerlikon offers a range of a high-precision flow control solutions. This currently includes a large selection of gear metering pumps for the textile and other sectors such as automobile construction, the chemical industry and the dyes and lacquers industry. With Oerlikon HRSflow, the division develops innovative hot runner systems for the polymer processing industry. In collaboration with Oerlikon Balzers, it offers highly-efficient, effective coating solutions from a single source.

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 and other innovative polymer materials and applications. 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. Oerlikon HRSflow is, above all, active in the key automotive markets. These include Germany, China, Korea and Brazil. Worldwide, the division – with more than 4,500 employees – has a presence in 120 countries with production, sales and distribution and service organizations. At the research and development centers in Remscheid, Neumünster (both Germany), San Polo di Piave / Treviso (Italy) 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/polymer-processing