

**Press Release****Oerlikon Barmag at the PaintExpo 2016****Paint application as a demanding task**

**Remscheid, February 19, 2016 – the GP500 high-speed paint metering pump – developed especially for poorly-lubricating and abrasive media – will be the focus of the Oerlikon Barmag stand at this year's PaintExpo in Karlsruhe (Hall 1, Stand 1531).**

With its enlarged speed range (30 - 500 rpm), the GP500 covers a large application area for which several pumps of varying sizes were required to date. For the manufacturer, this means less work when switching production and smaller spare parts inventories. The compact construction (ø65 mm) reduces the space required in the machine and the low weight (1.4 kg) keeps the load as low as possible, which in turn has a positive impact on the machine's construction. The external, ball-bearing support points ensure that the pump is not only very durable, they also do not need to be purged as they do not come into contact with the respective product. The GP500 is clearance volume-free in design, which both considerably shortens the required purging times and speeds up switching products, hence increasing productivity.

Fundamentally, Oerlikon Barmag paint metering pumps can be universally deployed with solvent-based paints and water-based paints. Special rust- and acid-resistant steel ensures the pump is extremely durable. Furthermore, the service life of the pumps in the event of wear-intensive applications – as in the case of metallic paints, for instance – can be substantially extended as a result of the DLC wear-protection layer. And the optional ceramic components – beneficial in the case of wear-intensive paints and dyes – help to optimize the service life of the pumps.

**For superlative performance**

For many decades now, Oerlikon Barmag gear metering pumps have been ensuring the efficient application of paints and dyes in various industrial sectors throughout the world – in the production of automobiles, in the aerospace industry and in the manufacture of components for generating renewable energy, for example. In many of these manufacturing processes, applying paint or dyes to the finished product is one of the most demanding tasks. The ever greater demands on the service life of the end product require highly-efficient paint systems that are capable of applying paints and dyes flawlessly in terms of their appearance and handle.

The Oerlikon Barmag high-precision pumps enable the paint system atomizer to carry out this task reliably. To this end, the quality of the coatings of the end product are decisively determined by the feeding accuracy of the pump. The tightest tolerances and reproducible quality in the manufacture of the gears and the gear plate that surrounds them ensure adherence to this accuracy. Furthermore, short purging times and the use of minimum amounts of cleaning agents ensures the responsible use of resources.

450 words



**Caption:**

In addition to their low weight, the Oerlikon Barmag paint pumps excel in terms of their flexibly exchangeable pressure sensor blocks, which enables easier installation of these pumps in various situations.

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**About Oerlikon**

Oerlikon (SIX: OERL) is a leading, globally-active technology group supplying growth markets with market-leading technologies and services for surface solutions, systems for manufacturing manmade fibers, transmission systems and drive solutions as well as prevacuum and high vacuum technologies and pumps and the corresponding accessories. The leading Oerlikon technologies enable customers to increase their product performance and productivity, utilize resources and energy more efficiently and



make a contribution towards sustainable development. As a Swiss company with a history stretching back more than 100 years, Oerlikon and its in excess of 15,500 employees are present at more than 200 sites in 36 different countries. In 2014, sales totaled CHF 3.2 billion. The company, which invested CHF 121 million in research and development in 2014, employees more than 1,300 specialists for developing innovative and customer-oriented products and services.

For further information: [www.oerlikon.com](http://www.oerlikon.com)

#### **About the Oerlikon Manmade Fibers segment**

With its Oerlikon Barmag and Oerlikon Neumag brands, Oerlikon Manmade Fibers segment is the world market leader for manmade fiber filament spinning systems, texturing machines, BCF systems, staple fiber systems and artificial turf systems 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. With the expansion of the product range to include polycondensation systems and their key components, the company now caters to the entire process – from the monomer all the way through to the textured yarn. The primary Oerlikon Barmag markets are in Asia, and – for Oerlikon Neumag – in the USA, Turkey and China. Correspondingly, Oerlikon Barmag and Oerlikon Neumag – with just under 2,500 employees – has a worldwide presence in 120 countries as part of the Oerlikon Manmade Fibers network of production, sales and distribution and service organizations. At the R&D centers in Remscheid, Neumünster and Chemnitz, highly-qualified engineers and technicians develop innovative and technologically-leading products for tomorrow's world.

For further information: [www.oerlikon.com/manmade-fibers](http://www.oerlikon.com/manmade-fibers)