

## Press Release

Oerlikon Barmag at the PaintExpo 2020

### Lightweight ensures precise paint application

**Remscheid, February 06, 2020 – extremely low weight, improved productivity and increased service life – these features will be making Oerlikon Barmag’s newly-developed GP451C paint metering pump stand out at this year’s PaintExpo, taking place in Karlsruhe (Hall 3, Stand 3235) between April 21 and 24. Developed especially for increasingly compact robot arms deployed in paint and lacquer systems, the pump enables efficient, high-precision paint application in automobile production, in the aerospace industry and in the manufacture of components for generating renewable energy, for instance.**

Paint application is often one of the most challenging tasks in manufacturing processes. Growing requirements in terms of the durability of end products demand highly-efficient paint and lacquer systems that apply paints and lacquers perfectly with regards to both look and feel, ensuring they provide the toughest and most wear-resistant surfaces possible. Oerlikon Barmag has been producing gear metering pumps for metered surface coating and painting since 1985. The high-precision pumps allow the paint and lacquer system atomizers to carry out their task reliably.

#### **Long service life combined with huge flexibility**

In this product portfolio, the GP451C – coming in at less than 1,000 g – excels as a result of its particularly low weight. This considerably reduces the wear on the arms of the painting robots used. “The GP451C’s already low weight can be additionally reduced if produced by means of additive manufacturing”, explains Thorsten Wagener, the Sales Manager responsible for pumps. “The innovative technology permits total design freedom when adapting the pump to the production system’s periphery”, he continues.

The pump has a wide speed range (20 - 240 rpm), hence covering a large application area, which means that manufacturers do not have to deploy several pumps of varying sizes. At the same time, they save time and costs for product conversion, logistics and parts inventories.

The DLC wear-protection layer and the use of ball bearings considerably increase the pump's service life. Furthermore, the pump is characterized by their flow-enhancing and dead spot-free construction, which dramatically shortens the required purging and product conversion times, hence helping to increase productivity.

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**Caption:** The new paint metering pump from Oerlikon Barmag can be easily adopted to the periphery of the production systems.

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### **About Oerlikon**

Oerlikon (SIX: OERL) develops modern materials, systems and surface technologies and provides specialized services aimed at securing high-performance products and systems with long lifespans for customers. Supported by its technological core competencies and its strong financial footing, the corporation continues its medium-term growth plan by implementing three strategic factors: focusing on attractive growth markets, ensuring structural growth and expanding through targeted M&A activities. Oerlikon is a globally-leading technology and engineering corporation, operating its business in two segments (Surface Solutions and Manmade Fibers) and employing around 10,500 members of staff at 175 sites in 37 countries worldwide. In 2018, Oerlikon generated sales of CHF 2.6 billion and invested around CHF 120 million in research & development.

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

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

With its Oerlikon Barmag, Oerlikon Neumag and Oerlikon Nonwoven brands, the Oerlikon Manmade Fibers segment is the world market leader for 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 segment – with just under 3,000 employees – has a presence in 120 countries of 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](http://www.oerlikon.com/manmade-fibers)