

Paint Expo 2014

Protection and beauty – gear metering pumps in lacquering systems

Remscheid, March 12, 2014 – the newly-developed high-speed metering pump GP500 will be the focal point of the Oerlikon Barmag trade fair stand at this year's PaintExpo, the leading international trade fair for industrial paint and lacquering technology being held between April 8 and 11 in Karlsruhe (Hall 1, Stand 1539). Furthermore, Oerlikon Barmag will be showcasing its proven gear metering pumps, which are deployed in application systems for surface technology as well as in solutions for the economical application of paints and lacquers, in the production of automobiles and wind turbines, for example.

The demands made on ever-larger rotors on wind turbines are huge. They must withstand weather influences, in part over periods of decades, while remaining low-maintenance at the same time. In addition to the state-of-the-art compound materials from which the rotor blades are manufactured, highly-specialized coatings are decisive for their durability. Multi-staged lacquering processes ensure that the rotor blades are protected during use to the best possible extent.

The Oerlikon Barmag high-precision gear metering pumps, which are perfect for a wide range of applications, are particularly suitable for deployment in complex systems. The new high-speed metering pumps have been developed especially for lightly-lubricating and abrasive media. With their enlarged speed range (30 - 500 rpm), they cover a large application area for which several pumps of varying sizes have had to be used to date. For the manufacturer, this means less work when switching production and smaller spare parts inventories. The compact construction of the pump (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 construction of the machine. 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 pump itself is clearance volume-free in design, which considerably shortens the required purging times and hence also significantly speeds up switching products.

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Caption: The compact construction and the low weight are essential advantages of the new high-speed metering pump by Oerlikon Barmag

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About Oerlikon

Oerlikon (SIX: OERL) is one of the world's leading high-tech industrial group specializing in machine and plant engineering. The company is a provider of innovative industrial solutions and cutting-edge technologies for manmade fiber machines, drives, vacuum systems, thin-film coating and advanced nanotechnology. A Swiss company with a tradition going back more than 100 years, Oerlikon is a global player with more than 13,000 employees at more than 160 locations in 34 countries and sales of CHF 2.9 billion in 2012. In 2012, the company invested CHF 106 million in R&D, with over 1,000 specialists working on future products and services. In most areas, the company ranks either first or second in the respective global markets.

About Oerlikon Barmag

Oerlikon Barmag is the world market leader for spinning systems and equipment for manmade fibers such as polyester, nylon and polypropylene and for texturing machines. As a service provider, Oerlikon Barmag offers engineering solutions along the entire textile value-added chain. As a future-oriented company, Oerlikon Barmag attaches great importance to energy efficiency and sustainable technologies in all its developments. The company's core competencies include the manufacture of the corresponding components for the production of manmade fibers such as extruders, winders, pumps and godets. Oerlikon Barmag has also established itself as a successful niche-market supplier: winders for special yarns and tape and monofilament systems are developed and manufactured at the Chemnitz site.

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