

Media Release

Digital services and smart coating solutions from Oerlikon Balzers at EMO 2019

Balzers, Liechtenstein, 16 September 2019 – **Oerlikon Balzers, a leading provider of surface solutions for the metal and plastics processing industry, will showcase its latest coating and equipment developments and its new digital services at EMO in Hanover from 16 to 21 September 2019. Encompassing the full coating process, from the moment the order is placed through to delivery, these high-quality, future-oriented services offer a wide range of benefits for customers.**

With the theme of "Follow the flow of smart coating services", Oerlikon Balzers will guide EMO 2019 visitors through the digital world of coating service processes and outstanding industrial solutions that make its services even better for its customers.

Digital services – easier, faster, more reliable

The new "myBalzers" customer portal offers digital services which significantly simplify and accelerate order processing, including logistics sequences such as door-to-door tracking and document management.

Oerlikon Balzers will be introducing a digital solution for coating workflows: a "digital twin" of a cutting tool that allows relevant data such as the coating used, the number of reconditioning cycles, quality and measurement protocols to be stored. This full tool history transparency will in future enable connected and automated reconditioning workflows, giving customers a number of key advantages.

Also being showcased is a specially developed app that helps Oerlikon Balzers experts respond in real time to questions about a coating system or coating services. The app helps queries to be resolved quickly and reliably, so that customers benefit from even faster response times and optimised coating system availability.

Next-generation PVD equipment

The INNOVENTA kila, the successor to the successful INNOVA model, is the right size for its target market and is perfect for the production requirements of tools and components in quantities both large and small. It offers even better performance and new features which boost productivity for customers.

New high-performance coating for threading tools and additional services

For high-quality threading tools, Oerlikon Balzers will present the new high-performance BALIQ AUROS coating. This extremely smooth and wear-resistant AlCrN-based coating is combined with a top coating to prevent the tool surface from welding with the workpiece material, which improves performance and ensures high process reliability.

Oerlikon Balzers will also demonstrate BALIQ UNIQUE, a coating solution that meets the demands of tool manufacturers for differentiation, classification and visualisation of their tools. Visitors can experience the latest coating solutions for gear manufacturing, explore the challenging machining applications of today's industry and discover many more added value services at EMO 2019 in Hall 3, Stand F30. Experts from Oerlikon Balzers will be on hand to explain how the company's services boost productivity and allow production processes to be planned more efficiently.

For more than 70 years, Oerlikon Balzers has been a byword for pioneering developments and world-leading thin-film coating technology. Every day the company pursues its passion for surface solutions with a unique blend of sustainability, innovative drive, entrepreneurial spirit and tradition in order to benefit customers and the environment – today and tomorrow.



Oerlikon Balzers' range of services covers high-quality coatings for high-performance tools and now includes digital services that simplify and accelerate many processes – from ordering through coating to delivery to the customer.



The new INNOVENTA kila PVD coating system from Oerlikon Balzers offers even more flexibility, productivity and connectivity than its successful predecessor INNOVA.



Specially designed for threading tools, the high-performance BALIQ AUROS coating is extremely smooth and wear-resistant to ensure even greater process stability.

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About Oerlikon Balzers

Oerlikon Balzers is one of the world's leading suppliers of surface technologies that significantly improve the performance and durability of precision components as well as tools for the metal and plastics processing industries. Extremely thin and exceptionally hard coatings, marketed under the BALINIT and BALIQ brand names, reduce friction and wear. The BALITHERM brand opens up a broad range of heat treatment services, whereas BALTONE comprises coatings that are available in a full range of elegant colours, perfectly suited for decorative applications. BALIMED ThinFilm coatings, with wear-resistant, biocompatible, antimicrobial and chemically inert properties, have been developed especially for medical applications. Under the BALIFOR technology brand the company introduced technologies which provide tailor-made solutions for the automotive market, while ePD allows the metallisation of plastic parts with a chrome look.

Worldwide, there are more than 1,100 coating systems in use by Oerlikon Balzers and their customers. Equipment engineering and assembly of Balzers' systems are processed in Liechtenstein, in Langenthal (Switzerland) and in Bergisch Gladbach (Germany). Oerlikon Balzers operates a dynamically growing network of more than 100 coating centres in 35 countries in Europe, the Americas and Asia. Oerlikon Balzers is – together with Oerlikon Metco and Oerlikon AM – part of the Surface Solutions Segment of the Switzerland-based Oerlikon Group (SIX: OERL).