

Innovative Surface Solutions for the Plastics Processing Industry: Oerlikon Balzers at FAKUMA 2024

Balzers, Liechtenstein, September 30, 2024 – **Oerlikon Balzers, a leading technology brand for thin-film coatings, offers innovative coatings that protect tools from abrasive wear and corrosion, extend service life, and ensure stable production processes. Eco-friendly coatings that enable the processing of recycled plastics and support the circular economy are a key part of Oerlikon's sustainability strategy.**

In combination with hot runner systems from its sister brand Oerlikon HRSflow, injection molding and extrusion processes can be optimized with Oerlikon Balzers' surface solutions. These perfectly coordinated solutions ensure a smooth production flow, increase efficiency, and deliver high-quality plastic products.

BALINIT MOLDNA – Protecting Tools for Injection Molding and Extrusion

This coating protects tools used in injection molding and extrusion of highly filled and corrosive plastics. It improves flow behavior, reduces wear and deposit formation, and increases corrosion resistance. BALINIT MOLDNA was also developed for use with recycled materials and has proven effective in many projects, significantly reducing scrap rates.

BALINIT MAYURA – Precision Coating for Non-Ferrous Tools

The rainbow-colored BALINIT MAYURA coating is extremely hard, thin, and smooth. It was developed for high-precision tools made from non-ferrous metals or tool steels where abrasion and material adhesion occur simultaneously. Additionally, the coating reduces the risk of chipping and preserves the sharpness of separating edges.

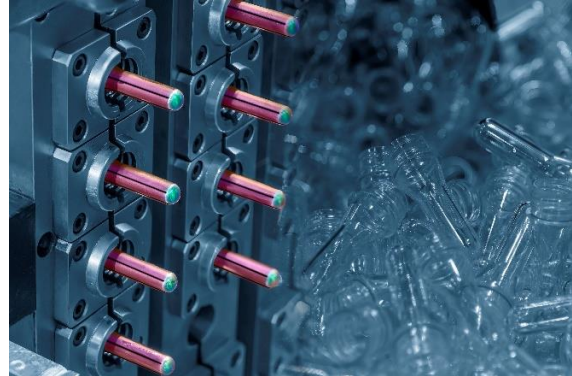
BALITHEM PRIMEFORM – Diffusion Treatment for Glossy Surfaces

The BALITHEM PRIMEFORM diffusion treatment solution protects mirror-polished plastic and textured mold surfaces of injection molds from scratches and wear. It facilitates demolding, improves process reliability, and enhances the quality of plastic products for the automotive, furniture, packaging, and medical industries.

FAKUMA, the international trade fair for industrial plastics processing, will take place from October 15 to 19, 2024, in Friedrichshafen / Germany. Experts from Oerlikon Balzers and Oerlikon HRSflow will be available in Hall 1, Booth A1-1215/1216, to advise visitors on optimal solutions for their plastics processing production lines.



(Image: Oerlikon Balzers)



(Image: AdobeStock)

Surface solutions from Oerlikon Balzers protect plastic processing tools from abrasive wear and corrosion, optimize flow behavior, and simplify demolding. These crucial features extend service life and ensure stable production processes.

For more information, please contact:

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About Oerlikon Surface Solutions Division

Oerlikon is a leading global provider of surface and additive manufacturing solutions and services. The division offers an extensive portfolio of market-leading thin-film, thermal spray and additive manufacturing technologies, equipment, components and materials. Emission reduction in transportation, maximized longevity and performance of tools and components, increased efficiency and intelligent materials are hallmarks of its leadership. Pioneering technology for decades, the division serves customers with standardized and customized solutions across a worldwide network of more than 170 sites in 37 countries.

With its technology brands – Oerlikon Balzers, Oerlikon Metco, Oerlikon AM, Oerlikon Riri und Oerlikon Fineparts – Oerlikon's Surface Solutions division focuses on technologies and services that improve and maximize performance, function, design, reliability and sustainability, which are innovative, game-changing advantages for customers in the automotive, aviation, tooling, general industries, luxury, medical, semiconductors, power generation and oil & gas markets.

The division is part of the publicly listed Oerlikon Group (SIX: OERL), headquartered in Switzerland, which has more than 12 600 employees and generated CHF 2.7 billion in revenue in 2023.

For more information see: www.oerlikon.com/surface-solutions