

Oerlikon Establishes Advanced Coating Technology Center, Elevating Aerospace and Gas Turbine Industries

Westbury, NY, June 20, 2024 – **Oerlikon, a leading global provider of surface and additive manufacturing solutions and services, announces the establishment of an Advanced Coating Technology Center in Westbury, NY, dedicated to advancing technologies for the aerospace and gas turbine industries. Located at the existing Oerlikon Metco brand headquarters, it integrates thermal spray with PVD expertise from the Oerlikon Balzers brand. By combining thermal spray, PVD, and testing capabilities under one roof, Oerlikon aims to accelerate the development of high-temperature materials and coatings, enhancing efficiency in these critical sectors.**

The integration of thermal spray and PVD technologies enables Oerlikon to develop innovative coating solutions tailored to the specific needs of aerospace and gas turbine industries. This approach enhances efficiency, durability, and performance, addressing key challenges such as high-temperature operation and corrosive environments.

By combining R&D materials experts, Oerlikon can accelerate the development of new materials and coatings that set new industry standards. This collaborative environment fosters creativity and innovation, driving the advancement of next-generation technologies.

One focus area is on environmental barrier coatings (EBCs) for ceramic matrix composite (CMC) aerospace components underscores Oerlikon's commitment to sustainability. By developing advanced coatings that protect components from environmental degradation, Oerlikon contributes to the longevity and reliability of aerospace systems while reducing environmental impact.

The strategic location of the facility in the USA enhances collaboration with aerospace and industrial gas turbine OEMs, facilitating faster response times and more tailored solutions. This proximity to key stakeholders enables Oerlikon to better understand market needs and deliver solutions that address current and future challenges.

"The establishment of our Advanced Coating Technology Center in Westbury marks a significant milestone in our commitment to progressing the aerospace and gas turbine industries. By integrating our state-of-the-art thermal spray and PVD coatings and equipment, we aim to deliver advanced and sustainable solutions that further enhance efficiency, durability, and performance," says Dr. Sven Hicken, Chief Technology Officer at Oerlikon.



The Westbury facility now integrates the Advanced Coating Technology Center, dedicated to progressing technologies for the aerospace and gas turbine industries.



The PVD coating system INNOVENTA kila from Oerlikon Balzers and the Thermal Spray system Surface One from Oerlikon Metco. By combining these two technologies and testing capabilities under one roof, Oerlikon aims to accelerate the development of high-temperature materials and coatings.

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About the 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 and Oerlikon AM – the Oerlikon 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 and general industries and in the 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