

Media Release

New Thermal Spray System Platform Combines Ease of Use with Improved Process Reliability

Winterthur, Switzerland — May 12, 2016 — Oerlikon Metco's new UniCoatPro thermal spray system platform provides users with greater quality control and coating consistency for their thermal spray applications.

UniCoatPro incorporates many features that were previously only available on the company's more advanced and costly platforms. The controller incorporates a touchscreen, graphical interface that is intuitive to use and easy to learn. Spray parameter recipes are easily created, stored and recalled with a few touches on the graphical interface. A highly sophisticated trending and reporting package benefits quality and process control.

"Customers will clearly benefit from the trending and reporting since it enables to trace and track all relevant data related to the spray job," states Jochen Tewes, Oerlikon Metco Product Line Manager, Equipment. "Even more, it allows documenting each coating job for their customers in a consistent manner."

In addition, the latest safety features are incorporated, including a multi-level alarm package that notifies the operator of out-of-bound conditions and will shut down the system safely in critical situations. Closed loop process control ensures coating reliability. Remote assistance can be securely initiated by the user over the Internet or via 3G communications to Oerlikon Metco, where a technician can analyze the customer's system in real time.

The floor space requirements for the new UniCoatPro system platform is reduced compared to previous Oerlikon Metco system platforms with similar features and is attractively priced. UniCoatPro is available for either the atmospheric plasma spray process or the liquid-fuel HVOF spray process. For the many thermal spray facilities that use both of these processes, their learning curve will be greatly reduced and process standardization will be enhanced.

Furthermore, the plasma version of the UniCoatPro is factory equipped to operate the Oerlikon Metco's SimplexPro cascading arc spray gun. As such, customers can enjoy improved processing efficiency. Popular legacy plasma spray guns can also be used. The liquid-fuel HVOF version uses the company's popular WokaJet or high-efficiency WokaStar spray guns.

UniCoatPro systems can operate with up to four powder hoppers (feed lines) giving users the ability to immediately spray a top coat after a bond coat, as well as maintain their most used materials in the additional powder hoppers. The system platform is also fully equipped for use with an external controller, such as a robotic interface that can completely control the UniCoatPro's actions. And while the UniCoatPro Platform has been available in Europe and the Americas since last year, it's making its debut in China at the International Thermal Spray Conference on May 10, 2016.



Oerlikon Metco's new UniCoatPro system platform is packed with advanced features in a compact package.

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About Oerlikon Metco Oerlikon Metco enhances surfaces that bring benefits to customers through a uniquely broad range of surface technologies, equipment, materials, services, specialized machining services and components. The surface technologies such as Thermal Spray and Laser Cladding improve the performance and increase efficiency and reliability. As innovation leader, Oerlikon Metco is forging new paths with materials for additive manufacturing (AM). Oerlikon Metco serves industries such as aviation, power generation, automotive, oil & gas, industrial and other specialized markets and operates a dynamically growing network of more than 40 sites in EMEA, Americas and Asia Pacific. Oerlikon Metco, together with Oerlikon Balzers, belongs to the Surface Solutions Segment of the Switzerland-based Oerlikon Group (SIX: OERL).

For further information, please see: www.oerlikon.com/metco.

About the Surface Solutions Segment

The Surface Solutions Segment of the Oerlikon Group includes the two brands Oerlikon Balzers and Oerlikon Metco.

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. Under the technology brand ePD, the company develops integrated services and solutions for the metallization of plastic parts with chrome effects. Worldwide, more than 1'100 coating systems are in operation at Oerlikon Balzers fa-

cilities and its customers. Equipment engineering and assembly of Balzers' machines are headquartered in Liechtenstein.

Oerlikon Metco enhances surfaces with coating solutions and equipment. Customers benefit from a uniquely broad range of surface technologies, coating solutions, equipment, materials, services, and specialized machining services and components. The innovative solutions improve performance and increase efficiency and reliability. As innovation leader, Oerlikon Metco is forging new paths with materials for additive manufacturing (AM). Oerlikon Metco serves industries such as power generation, aviation, automotive, and other specialized markets. The **Surface Solutions Segment** operates a dynamically growing network of currently more than 145 facilities with over 140 coating centres in 37 countries in Europe, the Americas, Asia and Australia, employing more than 6 000 people. The Surface Solutions Segment is part of the Switzerland-based Oerlikon Group (SIX: OERL).