

Media Release

New Powder Feeder Ideal for Automated Powder-Fed Additive Manufacturing and Coating Processes

Winterthur, Switzerland — June 2 — Oerlikon Metco has announced their new versatile, multi-process powder feeder, the Twin 150, which can be easily fully integrated into a thermal spray, laser cladding or powder additive manufacturing system. The Twin 150 will make its public debut at the conference on Additive Manufacturing with Powder Metallurgy (AMPM) June 5-7, 2016.

The unit can be operated in Full Remote Mode, where the feeder's functions are completely controlled by the user's external control system — such as a robot or process controller — using UDP/IP or PROFIBUS protocols. If desired, the Twin 150 can also be used in Stand-Alone (manual operation) or Remote On/Off mode, where an external mechanism turns powder feeding on or off.

“Owners of many types of powder-fed systems will benefit from the ability of the Twin 150 to fully integrate into their automated system by allowing them to simplify their processing with better process control,” states Product Line Manager, Omar Sabouni.

Oerlikon Metco's volumetric powder feeders have long been a favorite of laser cladding manufacturers as a result of the accuracy of the feeding mechanism, even at very low feed rates. The new Twin 150 feeder, with its ability for full system integration, is expected to be an attractive choice for manufacturers of powder-fed laser cladding, additive manufacturing and thermal spray systems.

The Twin 150 model has two powder hoppers, which can be used independently or simultaneously, adding to the versatility of this product. Moreover, the company offers application-specific options for the Twin 150 feeder that allows the user to feed a wide-range of powders under a variety of conditions.



The new Twin 150 Powder Feeder from Oerlikon Metco meets the needs of many different powder-fed manufacturing processes.

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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).

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 facilities 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).