Freemelt receives an order for Freemelt ONE from one of the world's premier research institutes

Freemelt has received an order for a Freemelt ONE machine from one of the world's premier research institutes, targeting material research and application development of refractory metals for energy applications. The order value is approximately MSEK 5 with expected delivery in the fourth quarter of 2024.

The customer is a leading U.S. federal laboratory and a leading American research institute in metal additive manufacturing (AM). They have extensive experience in AM of refractory metals and first-class expertise in materials development, testing, and characterization. Freemelt has developed the unique open-source research machine Freemelt ONE, based on E-PBF (Electron Beam Powder Bed Fusion) technology, which has excellent capability of efficiently printing refractory metal parts with the highest material properties. The customer orders the Freemelt ONE machine for developing material processes and to industrialize E-PBF-manufactured refractory components, and the two parties enter a long-term collaboration and knowledge exchange.

Refractory metals, with their unique properties, are critical materials for a selection of highly demanding applications. Refractory metals are very challenging to manufacture by using traditional manufacturing methods and to get the extreme material properties. This is why AM and E-PBF technology in particular is attractive, as it enables the possibility to manufacture parts with less design limitations, with the highest material properties, and in the most efficient way.

Adding a Freemelt ONE machine to the customer’s world-leading research facilities will enable new opportunities for groundbreaking material research and application development of refractory metals for critical components.

Freemelt CEO Daniel Gidlund comments:
“I’m proud and excited about this major achievement and critical milestone for Freemelt, as this customer brings world-class experience, competence, and expertise within the E-PBF area, and their role in influencing and educating the U.S. industry in the industrialization of additive manufacturing. We see a constant and rapidly increasing demand for printing parts in various refractory metals for challenging applications. The fact that this prominent customer will use a Freemelt ONE machine in their advanced and successful research is a strong confirmation of Freemelt’s role in enabling efficient manufacturing of refractory metal parts. Freemelt’s technology will play a critical role in the future use of refractory metals in applications such as fusion energy, defense, and other critical and challenging applications.”

Contacts

For more information, please contact:
Daniel Gidlund, CEO
daniel.gidlund@freemelt.com
070-246 45 01

Certified Advisor
Eminova Fondkomission AB
adviser@eminova.se

About Us

Freemelt is a deep-tech, green-tech company whose groundbreaking solution creates new opportunities for rapid growth in 3D printing, also known as additive manufacturing (AM). AM is a technology under substantial growth, revolutionizing the traditional manufacturing industry by offering a sustainable production process with optimized product design, shorter lead times, minimal material waste, and reduced environmental impact. Freemelt's protected technology enables more cost-effective 3D printing with consistent and high quality. A open-source approach will provide conditions for significant growth and expansion into new manufacturing markets. Freemelt was founded in 2017, is listed on Nasdaq First North Growth Market, headquarters in Mölndal, has a manufacturing unit in Linköping, and sales offices in the Netherlands and the USA. Read more at www.freemelt.com

Attachments

Freemelt receives an order for Freemelt ONE from one of the world's premier research institutes