

# Freemelt receives an order of Freemelt ONE from the prestige University of Sheffield

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**Nasdaq First North-listed Freemelt – a deep-tech, green-tech company whose groundbreaking solutions create new conditions for rapid growth in 3D printing has received an order for a Freemelt ONE machine from the University of Sheffield targeting material research and development of manufacturing methods for tungsten 3D printed components to be used in fusion energy power plants.**

The University of Sheffield is one of the world's leading institutes within E-PBF 3D printing technology (Electron Beam Powder Bed Fusion) using a wide range of state-of-the-art equipment, optimized for the development of new alloys.

Tungsten as a material has high mechanical strength, high corrosion resistance, and the highest melting point of all elements, which makes it suitable for use in industrial processes involving extreme temperatures, such as fusion energy production. However, due to its extreme melting temperature, tungsten is difficult to manufacture with traditional methods which makes 3D printing particularly attractive for tungsten fabrication.

Freemelt CEO Daniel Gidlund comments,

"I'm extremely proud that Freemelt now will have the first machine installed at the University of Sheffield. This order marks a milestone and puts Freemelt in the front among the most experienced E-PBF researchers and their material process research and application development for industrial applications within fusion energy."

Gidlund continues,

"The United Kingdom is one of the leading countries in research of renewable energy and the government is investing to further strengthen this position. As a result, we see an increasing interest in Freemelt's products as our solutions bring extra value to tungsten applications. It is fantastic that Freemelt now is an important player in the growing British cluster for fusion energy and to be a part of the transformation towards a greener and more sustainable energy industry."

Professor Iain Todd, from Sheffield University comments,

"With many years of experience in electron beam 3D printing, it's very exciting for us to be working with a new partner in Freemelt to bring their technology to bear in developing manufacturing solutions for rapidly emerging technologies such as fusion energy. Our longstanding relationship with the Freemelt team is something I very much look forward to continuing in this partnership".

Freemelt has a unique product- and service offering, supporting customers from initial material research and product development to seamless transfer to industrial serial production. Freemelt has extensive knowledge and experience in tungsten, titanium, and copper material process development, targeting serial production applications.

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## Contacts

### For more information, please contact:

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## About Us

Freemelt is a deep-tech, green-tech company whose ground-breaking solution creates new opportunities for rapid growth in 3D printing, also known as Additive Manufacturing, a technology under substantial growth revolutionizing the traditional manufacturing industry, by offering a sustainable production process with optimized product design, shorter lead times, minimal waste and reduced environmental footprint.

Freemelt's protected technology enables a more greener, cost-efficient 3D printing to a consistent and high quality. By choosing an open-source solution, the conditions are created for strong growth and expansion towards manufacturing markets. Freemelt was founded in 2017, is listed on Nasdaq First North Growth Markets, has 38 employees, head office in Gothenburg and a manufacturing unit in Linköping. Read more at **[www.freemelt.com](http://www.freemelt.com)**.

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## Attachments

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