Freemelt announces multiple orders

Freemelt has received two orders from KTH Royal Institute of Technology in Stockholm, Sweden, for 3D printing systems to be used for ground-breaking research in metal additive manufacturing

Mölndal, Sweden, 11th March 2021: Freemelt today announces two separate orders of metal 3D printing systems based on Electron Beam Powder Bed Fusion (E-PBF):

- One *Freemelt ONE* system to be placed at KTH in Stockholm for use in advanced materials research
- One modified E-PBF system, based on *Freemelt ONE* technology, to be placed at the PETRA III synchrotron at DESY[1] in Hamburg, Germany, to be used for synchrotron radiation studies of additive manufacturing processes in a joint Swedish-German project[2]

Both systems will be delivered during 2021

"These orders confirm our position as a prime supplier of 3D printers for cutting edge material research. We are very pleased to see that our products will be used at one of the world's leading synchrotron radiation facilities as well as at Sweden's largest technical research and learning institution. We look forward to supporting KTH in their exciting research endeavors" says Ulric Ljungblad, CEO of Freemelt

"These E-PBF systems will strengthen our 3D printing research at KTH and we look forward to the collaboration with Freemelt. The access to a *Freemelt ONE* system will support our Research Initiative on Sustainable Industry and Society (IRIS) with focus on integrated mechanics, components and materials design for 3D printing. The modified system will enable in situ synchrotron X-ray studies to provide fundamental insights in the E-PBF process" says Greta Lindwall, Assistant Professor at KTH

Freemelt AB is a developer and manufacturer of open-source 3D metal printing technology using electron beam as the energy source. *Freemelt ONE* is a 3D printer tailored for research and development. It is in daily operation at several research facilities and company R&D departments. Freemelt was founded in 2017 by an experienced team with a long background in the 3D printing industry. Head office and production are in Mölndal, Sweden. Learn more at www.freemelt.com

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[1] Deutsches Elektronen-Synchrotron DESY – Ein Forschungszentrum der Helmholtz-Gemeinschaft

[2] The project *Real-Time Measurements of Additive Manufacturing with Electron-Beam Melting*, funded by the Röntgen-Ångström cluster, is a collaboration between KTH, Freemelt, Friedrich-Alexander-University Erlangen Nürnberg, Helmholtz-Zentrum Geesthacht and DESY