

Facility for Materials Engineering in Magnetic Fields



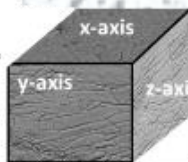
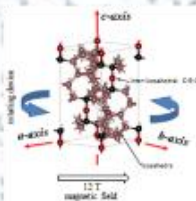
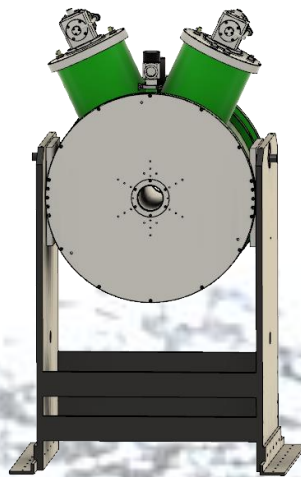
www.magmat.uk

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We Aim to set up a unique UK capability that extends materials engineering in a strong magnetic field (15 Tesla) to new synthesis and processing techniques that are being investigated and developed in the UK. The facility will enable UK researchers to progress beyond the state of art by:

- i) Developing tools to optimize the level of texturing;
- ii) Explore new systems where a magnetic field can add an extra dimension to a phase equilibrium diagram;
- iii) Align unique UK expertise in materials science with processing in a strong magnetic field;

iv) develop computer modelling to predict properties of the produced materials



multi-layered textured



Helicoidal texturing