



# Magnesium Elektron

SERVICE & INNOVATION IN MAGNESIUM

28<sup>th</sup> July 2009

Dear

*Professor Far,*

**Re EPSRC Proposal: Innovative Manufacturing Research Centre for  
Liquid Metal Engineering (LiME)**

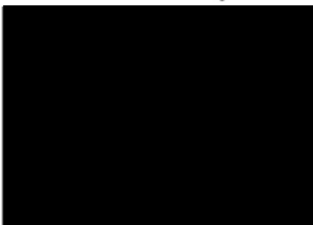
I would like to confirm the support of Magnesium Elektron for the LiME IMRC.

Magnesium Elektron specialises in the development, manufacture and supply of magnesium products and services to technology industries worldwide. Since the company first began processing magnesium in 1936, Magnesium Elektron has built an enviable reputation for innovation, established on a relentless passion to push the metallurgical boundaries of magnesium alloy technology.

For both cast and wrought materials, particularly in hexagonal structured alloys such as magnesium, the control of the structure of the metal prior to and during solidification is of key importance as this is the start point of any further manufacturing process. The science of crystal nucleation and solidification is still poorly understood, particularly where real engineering metals are concerned. The combination of expertise from Brunel, Birmingham and Oxford Universities offers a great chance to develop the fundamental understanding of this science. Furthermore, to develop these concepts such that controlling processes such as 'Melt Conditioning' can be developed will enable novel high performance products to be developed. I believe that it is key to the UK materials industry that this IMRC is funded as it fills a major current gap in research within the UK.

It is my great hope that you will be successful in obtaining the funding for this project and that we will be able to work with the LiME IMRC in the development of novel and exciting liquid metal processes.

Yours sincerely



Technical and Quality Manager  
Magnesium Elektron UK



Certificate No. FM12677

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