



Additive Manufacturing Specialist

Newmarket, ON

About The Company:

Located in Newmarket, Ontario, Exco Engineering is a world leading builder of large high-pressure aluminum die casting dies. Exco is a major tooling supplier for tier-one OEMs such as GM, Ford, and Fiat Chrysler Automotive in North America and Daimler AG in Europe. Exco specializes in the design and manufacture of large dies including those used for casting engine blocks, transmission cases and structural parts. Exco currently has approximately 140 employees working from a 120,000 square-foot air conditioned plant that contains an array of world class manufacturing technologies. We are a carefully managed business with a long track record of success and a second-to-none reputation in our industry. Our engineering department is regarded as having perhaps the deepest expertise in our industry, including competitors in North America, Europe and Asia. See our website for more details www.excoeng.com.

Position We Are Seeking To Fill:

Additive Manufacturing Specialist (full-time, permanent)

About The Position:

Reporting to and under the supervision of the Director of our additive manufacturing business, the responsibilities of the Additive Manufacturing Specialist (AMS) include:

- Ensuring the productive deployment of additive manufacturing equipment in producing quality products;
- Obtaining and developing a deep understanding of the role metal additive manufacturing can and may play in contemporary manufacturing in North America, in particular in the high pressure die casting sector; and
- Performing research towards improvements in additive manufacturing deployment, with particular emphasis on development of metal powder chemistry and processing. Forming relationships within the business and academic community will almost certainly be required.

It is important to note that to a substantial degree the AMS will be responsible for the day to day operation of the machine, and thus the position involves a significant amount of "hands on" work. However, given the lengthy run times of most builds there will be much time available for the AMS to lead research and experiments into furthering the aims of the department. As the AMS grows in experience he or she will be expected to contribute to quoting projects and performing administrative and management functions. This is a fairly new department and thus to a large extent there is an opportunity for the AMS to be a key part of the direction we ultimately take.

Required Qualifications:

This position requires an undergraduate or graduate degree with a major/ focus in Metallurgy (ideally with substantial exposure to steel/ iron alloys) from a top tier academic program. The position will likely require much unsupervised time and as such it is critical the candidate be a self-starter with ideas and energy to spare. While there will be much time and energy spent on R&D and potentially interfacing with the academic community this is definitely not an academic endeavour and we are very much a results focused organization. Some experience with CAD packages is an asset, and certainly an aptitude and inclination to learn CAD/CAM/CAE is essential. Experience in metal casting is an asset.

Interested applicants are encouraged to submit their cover letter and resume to:

Wes Byleveld wesselb@excoeng.com

We thank all candidates for their interest; however, only those qualified for the position will be contacted.