

## Alvant Ltd

### Job Description: Foundry Operator

**Sector: Advanced Materials Engineering**

**Location: Prisma Business Park, Basingstoke, Hampshire.**

#### *Material Evolution*

*Increasing the capability of the world's most demanding products through the application of Advanced Materials and Manufacturing techniques.*

#### **The Company**

Alvant Ltd (Alvant) is an advanced materials technology company, specialising in the design, development and manufacture of metal matrix composite components for aerospace, high-end niche automotive, defence, industrial process and high-end consumer applications.

#### **The Technology**

Metal Matrix Composites are an emerging technology offering many advantages to engineers and designers in a number of key industries.

Advanced composites are classified according to the material that is being reinforced. Metal Matrix Composites (MMCs) are metallic materials that have been reinforced with a secondary high-performance material. Alvant focusses on Aluminium Metal Matrix Composites ("AMC"). Like all composites, aluminium-matrix composites are not a single material but a family of materials whose stiffness, strength, density, and thermal and electrical properties can be tailored

#### **Job Overview**

We are seeking to employ a Foundry Operator to support the Company's manufacturing activities, based in our facilities in Basingstoke. The Foundry Operator will be hands on, producing castings and supporting R&D activities for multiple industrial sectors.

#### **Key Duties and Responsibilities**

- Operating the furnace, including melting & reloading, glazing crucibles and cleaning / treating the melt;
- Mould preparation, including assembling sand moulds and gravity dies
- Pouring / ladling molten metal into molds
- Changing dies
- Sampling and creation of setup sheets for new products;
- Sandblasting castings:
- Examine materials and products to check for conformance to specifications;
- Observe machine / equipment for malfunction and order adjustments / repairs
- Carry out preventative maintenance of machines and hydraulic systems

## Education, Experience and Skill Requirements

- Minimum 3 years of practical experience in a foundry
- Confident working with molten metals
- Experience in HPDC, Sand or gravity die casting;
- Knowledge of relevant H&S
- Self-motivated and organized.
- Computer literate (MS office) with good written and communication skills

## Ideal Candidate:

The candidate will need to be a self-motivated, versatile individual able to fit in to a small but growing team.. This is a unique opportunity to be part of a growing business with an emerging technology

## Contact Details:

John Bonas, Prisma Business Park, 3 Berrington Way, Wade Road, Basingstoke, Hampshire.  
RG24 8GT.

**T:** (01256) 477741

**E:** [john.bonas@alvant.com](mailto:john.bonas@alvant.com)

**W:** [www.alvant.com](http://www.alvant.com)