



Job Description

Job Title : Senior Design Engineer : Mechanical

Reporting to : Senior Manager : Engineering

Job Purpose:

Working closely with the Senior Engineering Manager, within a team of Mechanical, Electrical and Project Engineers in the generation of detailed designs of automated investment casting systems and equipment.

Duties & Responsibilities:

- Design and develop new concepts to improve the performance and value of machinery used in the investment casting process.
- Mathematical calculation, including stress analysis, heat transfer.
- Detailed design and development of Automation Systems and Equipment (existing product range).
- Creating and implementing product design standards and procedures.
- Creation of technical specifications / documentation for the selection and development of equipment.
- Creating bills of materials to ensure that all components required are ordered in line with project deadlines.
- Provide internal technical product support.

Essential Skills & Experience:

- Extensive experience in mechanical design.
- Extensive CAD Experience 2D and 3D.
- Ability to effectively present design solutions to the engineering manager.
- Self disciplined approach to achieve engineering deadlines and objectives.
- Problem solving, both as part of a team and individually.
- Strong written communication skills.
- Ability to mentor and guide mechanical design engineers.

Qualifications:

- M.Eng / B.Eng Mechanical or Mechatronic degree qualification preferred.
- HNC / HND with additional experience.

Key Attributes:

- Flexible manner to adopt new challenges and input from peers and colleagues.
- Self-driven for progressive and continued learning and development.
- Keen to accept responsibility and accountability.
- Committed to achieving project and company goals.

