

**Job Description:** Graduate Mechanical Engineer

**Location:** Cradley Heath

**Reports to:** Chief Technical Officer

**Company:** Mechatherm International Limited

### About Us

Mechatherm International Limited is a world leader in the design and supply of bespoke furnaces and casthouse equipment for the aluminium industry. Every one of our designs is unique, built around our clients' needs, and engineered to drive efficiency, performance, and sustainability. With global projects spanning multiple continents, we are at the forefront of delivering pioneering technologies, including hydrogen-fuelled furnaces, to help decarbonise the aluminium industry.

### Role Overview

We are looking for a Graduate Mechanical Engineer who is motivated and enthusiastic, to join our world class team. This is a unique opportunity to build a career designing and developing complex mechanical systems, working on one-of-a-kind projects that will shape the future of the aluminium industry. You will travel worldwide to collaborate with clients, suppliers, and installation teams, and play a supporting role in pushing our designs forward toward a greener, more sustainable future.

No two projects are ever the same at Mechatherm making this an ideal role for someone curious, creative, and eager to learn.

### Key Responsibilities

- Support the mechanical design of bespoke aluminium furnaces and casthouse equipment, from concept through to completion.
- Assist in producing design calculations, 3D models, and technical drawings.
- Work alongside senior engineers to explore innovative solutions, including sustainable and hydrogen-based technologies.
- Collaborate with colleagues in mechanical, process, and electrical teams to deliver integrated project solutions.
- Gain international experience by supporting projects at customer sites around the world (with opportunities for travel).
- Contribute ideas for continuous improvement and help challenge the norm with fresh thinking.
- Ensure all designs follow international safety and environmental standards.

### What Makes This Role Exciting

- Global Projects. Work with leading aluminium producers worldwide and travel extensively.
- Innovation at the Core. Be part of ground-breaking projects in hydrogen-fuelled furnaces and sustainable design.
- Unique Challenges. Every project is a one-off, in our 50 years in business no two designs have been the same.
- Real Impact. Help shape the decarbonisation of the aluminium industry and influence the future of global manufacturing.

### **Skills & Qualifications**

- Degree in Mechanical Engineering (or related discipline).
- Strong problem solving mindset, eager to challenge traditional approaches.
- Excellent communication and teamwork skills.
- Curiosity and enthusiasm to learn quickly.
- Willingness to travel internationally as part of project delivery.
- Familiarity with CAD software and design tools, ideally AutoDesk software.

### **What We Offer**

- Competitive graduate salary and benefits package.
- Hands on training and mentoring from industry experts.
- Opportunities to travel globally and work on unique international projects.
- The chance to make a real impact on sustainable engineering from the very beginning of your career.