

Mechanical Designer Job Description

At Astech Projects, we are in the business of designing and supplying automation to laboratory and advanced manufacturing industries across the world. We believe automation is an enabling tool that can empower anyone and we are striving to become a leading global technology provider for problems that can be addressed in this way.

We are seeking to recruit a highly motivated Mechanical Designer to work on design solutions for technically complex multi-disciplined projects. We typically use robotics to solve the problems our customers present to us, so you'd need to be excited about using some of the latest cutting-edge products on the market and be ready to learn quickly.

You will work within a multidiscipline design team, incorporating a programme manager, mechanical designers, software developers and hardware engineers. You will be responsible for producing innovative design solutions and providing technical support during implementation, commissioning and testing of our robotic applications for a variety of big-name clients. We are looking for someone who values innovation, quality and reliability and who is not afraid to push the boundaries of technology to solve problems and deliver the best solutions.

We want a team player, who enjoys collaborating and sharing ideas but is equally comfortable working autonomously and intuitively to get the work done.

Responsibilities

- Working as part of a multidiscipline team to design, implement and test specialist robotic applications.
- Produce mechanical design drawings using Solidworks® CAD package.
- Regular communication with others involved in the design and development process.
- Adhere to design schedules and maintain agreed product attributes.
- Participate in design risk assessments to BS EN 12100-2010 and ensure designs meet regulatory guidelines and machinery safety legislation.

Essential Requirements

- Qualification: Minimum of HND/HNC in Mechanical engineering or equivalent.
- Several years' experience in the detail design of machinery/laboratory equipment
- Several years' experience of using Solidworks® CAD package
- Knowledge/familiarity with 6 axis robots and tooling
- Understanding of machinery regulations and the health and safety aspects of machinery design.
- Knowledge/familiarity of pneumatics
- Ability to work well under pressure to meet deadlines
- Flexible team worker
- Experience of working to well documented QA processes

Desirable Requirements

- Ability to carry out simple calculations to support your design
- Self motivating and able to work with the minimum of supervision
- Some experience of Proof of concept/development work
- Some experience of procurement and liaising with external suppliers.
- Willing to travel in UK, Europe and USA.