



# VACANCY

## Mechanical Design Engineer

Devizes - NORTH SITE

### **The Role:**

We are looking for an experienced Mechanical Design Engineer to join our highly skilled Engineering team within the Automotive site.

Working in small integrated teams within our Business Improvement Department, the successful candidate will be engaged in the entire lifecycle of projects, from initial concept through design, validation, trials, the release into production and ensuring sustainability. The successful candidate will therefore have a strong technical understanding and the tenacity to drive technical solutions to completion.

### **Qualifications & Experience required:**

- BEng Mechanical Engineering
- Knowledge and understanding of UKCA/CE marking and its processes
- Competent in all Microsoft packages
- Expertise in machine building technical design, implementation and commissioning (machine building life cycle)

### **Qualifications & Experience desired:**

- Hands on experience with toolroom disciplines
- Expertise in technical design jigs and fixtures
- A high level of technical and scientific knowledge
- Excellent understanding of Mechanical Sciences
- Experience testing design using FEA
- Effective knowledge and use of Solidworks CAD system and associated tools
- Working knowledge of ISO9001 and IATF16949
- Experience working with 3d printing software and machines, in particular FDMs
- Experience designing machines and systems integrated with robots
- Understanding of PLCs and automation
- Experience within the automotive industry
- Understanding of pneumatic and hydraulic drawings
- Experience of LEAN manufacturing and SMED
- Experience using problem solving tools; Pareto, fishbone, 5Whys etc.

### **Attributes and Personal Qualities needed for this role:**

- Accuracy & Attention to detail
- Ability to analyse technical data
- Ability to problem solve
- Ability to communicate and provide technical support well at all levels
- Self-motivated
- Target driven
- Team player
- Proactive approach to continual improvement

### **Duties and Responsibilities:**

- Work collectively and collaboratively with Lead Engineers and other Engineers on large and small scaled projects.
- Support other teams when required on engineering issues.
- Assist with the preparation of project scope and agree the appropriate technical design specifications.
- Meet delivery, performance and budget for each project.
- Create CAD models and assemblies with detailed 2d drawings to provide information on manufacturing and assembling requirements.
- Test prototypes with team and recommend improvements where necessary.



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- Create test criterias and organise functionality testing to ensure the machine/equipment reliably performs as requested.
- Work with Quality team, production and support functions on test requirements for new equipment (e.g., pre-production runs, MSA's etc)
- Follow correct working practices such as drawing standards and control, following technical specification, HSE and UKCA/CE requirements.
- Take responsibility and ownership for the UKCA/CE process and documentation for the project being undertaken.
- Discuss and solve complex problems with manufacturing departments and sub-contractors.
- Obtain quotes and provide cost calculations on machines and tooling using cost calculation sheet provided.
- Assist with completing visual inspection sheets and work instructions. Complete machine manuals as per UKCA/CE process.
- Keep stakeholders regularly updated on project progress
- Support other departments when engineering input is required, e.g. the maintenance team and production breakdowns.
- Continuous professional development through attending industry networking events and webinars.
- Continuously develop personal skills through attending any training courses provided by the Company.

### Further Information:

- This is a full time, permanent position that will be subject to a review period
- 37 hours per week
- Those interested in this role should submit a CV and covering letter to Human Resources
- Any questions about the role should be directed through Jake Waters or Steve Paget.
- **Please clearly reference the role you are applying for.**
- **Where possible, please send your application electronically to [hr@crossmanufacturing.com](mailto:hr@crossmanufacturing.com)**

### Package:

- The pay rate will agreed be depending on experience
- Company Bonus scheme - Christmas bonus and discretionary Company performance summer bonus
- Enhanced Stakeholder Pension Scheme, up to 12% contribution from the Company
- Private Family Healthcare
- Cycle to Work Scheme
- 25 days holiday (hourly holiday to allow flexibility)
- Life Assurance cover
- Unum – help at hand employee assistance program including shopping discounts.
- Professional body annual membership reimbursement
- Opportunities for training and development
- Eye consultation and contribution towards new glasses

**Closing Date: 2<sup>nd</sup> August 2024**