



**Job title: Senior Mechanical Design Engineer**

**Location: Sandy, Bedfordshire**

**Closing date: 31<sup>st</sup> October 2023**

**Salary: Up to £50,000 (DOE)**

**Job type: Full time, permanent**

**Position overview:**

Due to our continued expansion, Sentinel Engineering is recruiting a Senior Mechanical Design Engineer. The Senior Mechanical Design Engineer will be a key part of our dynamic engineering team. This role involves working on multiple design projects, assisting with product development from concept through to manufacturing, and implementing design improvements for existing products. The ideal candidate will have a keen eye for detail, strong problem-solving abilities, a solid understanding of mechanical systems, and experience working in manufacturing environments.

**Duties and Responsibilities:**

- Work closely with the engineering team to design, develop, modify, and test mechanical components and assemblies.
- Assist with the full product development lifecycle, from conceptual design and prototyping to final product production.
- Utilise CAD software to create 3D models and 2D drawings of mechanical systems.
- Analyse and solve complex engineering problems related to the design and manufacturing of mechanical components.
- Collaborate with the manufacturing team to ensure design feasibility and optimization.
- Implement design modifications to improve the performance and reliability of existing products.
- Conduct regular design reviews and create technical documentation for new and existing products.
- Comply with all relevant industry standards and regulations.
- Coordinate with vendors and suppliers, as necessary.
- Oversee and modify new design products to maximize the utilization of the machine shop. Turnkey design.
- Create Bill Of Materials and Routings for the designed components.

**Qualifications:**

- A minimum of 5 years of experience in mechanical design engineering.
- Proficient with CAD software (e.g., SolidWorks, AutoCAD, Fusion 360, or similar).
- Knowledge of manufacturing processes, materials, and quality control practices.
- Strong analytical and problem-solving skills.
- Excellent communication and collaboration skills.
- Ability to manage multiple projects concurrently and meet deadlines.
- Experience in the CNC Machining environment.
- CAM software knowledge would be a plus.
- A Bachelor's degree in Mechanical Engineering or a related field would be an advantage

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**Please send your CV via email to [tracey@silentsentinel.com](mailto:tracey@silentsentinel.com)**