

Mechanical Design Engineer – Role Profile

Title	Mechanical Design Engineer
Reporting to	Head of Mechanical Engineering/Technical Lead
Purpose of the Role	
<p>We are looking for talented Mechanical Design Engineers to join our special purpose design team. The successful candidate will play a key role in projects covering the design and development of automated solutions.</p> <p>To provide effective and innovative product design solutions to the business to ensure Sewtec remains a market leader in providing automated solutions to our new and existing customers.</p>	
Key Responsibilities	
<ul style="list-style-type: none"> • Carry out mechanical design to meet business and customer specified requirements • Provide a high level of commercial awareness to ensure design solutions are delivered in a cost effective manner & scope changes are managed in accordance with standard operation procedures • Ensure schedules are understood and workload is managed to meet objectives • Effectively communicate project status to the Technical Director/Head of Engineering/Technical lead • Produce mechanical designs from concept to production drawings in line with customer needs and business objectives • Utilise barcode scanning system • Support specific projects ensuring timescales and budget requirements are achieved • Utilise third party/supplier software to calculate specific requirements • Implement company and external standards • Ensure data is input into the company's database • Understanding of BS/ISO application • Checking of work done by others • Conduct risk assessments of machinery • Provide expert input to ensure that the most economical / advantageous design strategy is adopted through collaboration • Undertake additional responsibilities and tasks as required • Ensure innovative processes are implemented 	
Key Skills	
<ul style="list-style-type: none"> • Possess a good understanding of mechanical engineering principles • Competent (and confident) in all technical aspects of mechanical design and development of special purpose machinery (ideally gained within a similar environment) • Experience in delivering solutions to technical problems • Experience of undertaking technical calculations • Experience of working within a multi-skilled environment (i.e. knowledge of mechanical, pneumatic, and electrical components) • Experience of technical projects including working to tight timescales throughout the project life cycle • 2D CAD design experience (AutoCAD) desirable • 3D CAD design experience (Autodesk Inventor and Vault) essential. (SolidWorks considered) • Ability to provide quality information within deadlines • Empathy with other functions and projects • Proactive interaction with other functions • Team-player and ability to work on own initiative • Strong PC skills 	

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- Ability to interpret numerical data
- Strong verbal and written communication skills

Qualifications

- Minimum HNC qualified in relevant mechanical discipline or significant industry experience
- ISOH SPA Passport (Desirable)

Interface Co-operation & Communication

- External communication with clients, agents, sub-contractors, suppliers, or other external authorities