

Electrical Design Engineer – Role Profile

Title	Electrical Design Engineer
Reporting to	Head of Electrical Engineering
Purpose of the Role	
To provide immediate effective and innovative electrical design solutions to the business to ensure the business remains a market leader in providing automated solutions to our new and existing customers.	
Key Responsibilities	
<ul style="list-style-type: none"> • Carry out electrical design to meet business and customers specified requirements • Produce electrical design from concept to issuing drawings to production 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 • Works to the company's technical library of external standards and internal instruction manuals • Understanding of BS/ISO application • Detail checking work of others • Conduct risk assessment on 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 electrical engineering principles • Competent (and confident) in all technical aspects of electrical design and development of special purpose machinery (gained working within a similar environment for several years) • Experience in delivering solutions to technical problems • Experience in electrical engineering design/design analysis • Experience of undertaking technical calculations • Experience of working within a multi –skilled environment (i.e. knowledge of electrical and pneumatic components) • Experience of technical projects including working to tight timescales throughout the project life cycle • Experience and understanding of geometric tolerancing • 3D CAD design experience (preferably Autodesk Inventor) • 2D CAD design experience (AutoCAD) • Experience of design for manufacture and assembly • Ability to provide quality information within deadlines • Empathy with other functions and projects 	

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| <ul style="list-style-type: none">• Team-player and ability to work on own initiative• Strong PC skills• Attention to detail• Ability to interpret numerical data |
| Qualifications |
| <ul style="list-style-type: none">• Experienced Electrical Design Engineer with Minimum HNC qualified in relevant electrical discipline• ISOH SPA Passport (Desirable) |