

JOB DESCRIPTION



Job Title: Apprentice - Mechanical Design Engineer	Location: Hunmanby
Department: Production Development	Contract: Permanent
Reports To: Production Development Manager	Direct Reports: None

1.0 Job Summary & Role

Deep Sea Electronics is one of the world's top manufacturers of generator controllers, auto transfer switch controllers, battery chargers and vehicle & off-highway controllers. We employ over 200 people across four continents and sell our products to 150 countries direct from our UK head office and through our comprehensive distributor network.

The successful candidate will join the production test development team, we are a small team who design and manufacture our product test equipment. As the business continues to grow, we have new products to design and develop on-site. As a mechanical design engineer we design, build, wire, and develop the software for all test fixture to go into production. These fixtures test every unit functionally before it leaves the business.

This role will have a relevant apprentice programme provided running alongside – the successful candidate will be required to attend college one day per week. Following completion of the initial course further opportunities for academic development will be available for the candidate including opportunities up to degree level.

Training to be provided to achieve role requirements

2.0 Key Responsibilities & Main Duties

- Design a test fixture to house one of DSE's controller so we can fully functionally test the unit
- Create BOM's
- Create assembly drawings
- From the 3D design create CNC program from the individual parts
- Operate flatbed CNC machine
- 3D Printing test parts
- If need, assemble the parts
- If needed design or modify a Deepsea module case
- Design and manufacture jigs to aid production in there build process

3.0 Internal & External Relationships

- Liaising with internal teams to find relevant information to complete the design work



4.0 Key Performance Indicators

- Ability to successfully complete tasks within the set timeframes
- Optimum use of working time through effective time management and communications.
- Responsiveness
- Quality of work undertaken
- Efficiency of work undertaken
- Reducing inventory
- Compliance

5.0 Essential/Desirable Factors

Knowledge	
Essential: <ul style="list-style-type: none"> • Strong numerical and analytical skills • Proficiency in Microsoft Office, particularly Excel 	Desirable: <ul style="list-style-type: none"> • Working in a fast-paced manufacturing environment • Capable of working under minimum supervision, to achieve set targets and timeframes.
Skills & Attributes	
Essential: <ul style="list-style-type: none"> • Demonstrate a positive and enthusiastic attitude. • Ability to operate under own initiative as well as possessing strong team working skills. • Communication Skills 	Desirable: <ul style="list-style-type: none"> • Methodical approach to problem solving. • High concentration levels and attention to detail • Proactive thinking • Good Soft Skills
Experience	
Essential: <ul style="list-style-type: none"> • No prior engineering experience required 	Desirable: <ul style="list-style-type: none"> • Experience working in a similar panel wiring or electrical installation role.
Qualifications	
Essential: <ul style="list-style-type: none"> • Maths & English GCSE or equivalent 	Desirable: <ul style="list-style-type: none"> • Relevant engineering education and/or training.

Created by	Dated Created
Lee Uttley	6/2/2025

