



## **Toro - Engineering Specialist – Turfcare Machinery**

### **Bishops Stortford - Hertfordshire**

An excellent opportunity for an Engineering Specialist to join a busy research and development workshop of a leading manufacturer of turfcare equipment.

Applicants for the Engineering Specialist role must be competent and knowledgeable in the development and testing of special purpose Diesel/Petrol/Electric outdoor power equipment. A good working knowledge and testing of hydraulic and electrical systems is required. The role will include, producing/modifying prototype parts (cutting, drilling, forming, machining, welding, 3D printing), building prototype machinery, visually representative product models for evaluation or trade event launches, designing, building and running bespoke test and evaluation stands, developing bespoke control systems using software applications such as Arduino, testing machinery or their components and providing relevant data output (compliance and hydraulic/electrical systems), manufacturing support (fault diagnostics), customer field issues (fault diagnostics), visiting test houses to support in the testing of products.

Applicants must be able to demonstrate a hands on approach to working within a multi-disciplined team which takes concepts through to low/medium volume production and meet challenging specifications and timescales. You should be self-motivated and have a strong knowledge and keen interest in rapid prototyping, battery powered systems and outdoor power equipment.

### **Job Purpose:**

Supports the engineering team with designing, prototyping and testing components and machines in relation to diesel/electric powered special purpose off road equipment. 90%+ of the working day would be workshop based.

### **Main Duties and Responsibilities.**

- Construct prototypes per the design requirements.
- Design and development of specialized test stands and test equipment
- Performs functional evaluations of prototypes. Documents the results of the evaluation. Evaluates field failures to determine root cause. Works with suppliers to further evaluate failed components.
- Carry out test programs and field trials

- Liaise effectively and work efficiently with other members of the Design / Development / Compliance team
- Some travel may be required to local field test sites along with remote test locations for data acquisition or performance evaluations
- Supports assembly with introduction of new products and fault diagnostics
- Travel to test houses to support product testing.
- Performs other duties as may be required.

**Job Dimensions:**

Communicates with Engineering, Compliance, Manufacturing, Assembly, Service, Marketing, Support Market Research and Purchasing departments.

**Experience or background in following is essential:**

Minimum 5 years' experience, ideally 10+ years in a similar role

A varied practical background including special purpose off-road machinery and / or battery powered mechanical systems

Experience with petrol equipment and electrical systems.

Experience with typical workshop equipment: Hand tools, Lathes, Mills, Drills, Welding Equipment etc.

Working knowledge of typical Microsoft systems Word, Excel, Outlook, PowerPoint

**Experience or background in following is desired:**

Experience of Hydraulic testing equipment (Data Acquisition / Installation)

Experience of electronic monitoring equipment and data-log systems

3D Printing and rapid prototyping methods

Electrically / battery powered Equipment. (Fault finding / Installation)

Experience with micro-controllers such as Arduino

PLC, Python or C programming

Model making and hand finishing prototypes to show launch standards

Demonstrating and communicating new products with customers at trade events

25 days paid holiday per annum plus bank holidays

Pension – Company contribution up to 8%

**How to apply / more information:**

Please send a CV and covering letter to [recruitment@toro.com](mailto:recruitment@toro.com)

***Closing date for applications: 15 April 2024***