



Intellihot

Electrical and Mechanical Systems Engineer Job Description

Position Summary

The Electrical and Mechanical Systems Engineer requires advanced knowledge of assembly and fabrication of electrical systems and mechanical parts, pieces of products. This position will provide technical support to Customer Service team, Dealer/Contractor network personnel and end user to troubleshoot and resolve issues with product performance. This role will also work closely with Engineering, Production and Quality to identify and recommend design modifications to eliminate machine or system malfunctions.

Key Responsibilities:

- Provide technical support to customer service team.
- Analyze current equipment offerings; identifies areas of inefficiency and needs for improvement; designs and develops systems and equipment to meet the needs of customers.
- Collaborates with other engineers to develop accurate, efficient equipment and instrumentation in accordance with safety and usability standards and customer expectations.
- Assist in the designing and testing of prototypes of equipment and the preparation of technical manuals for products.
- Overseeing and assisting with the implementation of new equipment and control systems, ensuring devices and equipment are correctly installed and properly tested.
- Provides training related to devices to employees and/or customers and will assist with electrical safety training to employees.
- Reviewing equipment failures and implementing improvements.
- Document bill of materials and component selection to assist in communicating to purchasing.
- Document build instructions and wiring diagrams to assist communicating to manufacturing.
- Perform other duties as assigned

Qualifications:

- Experience troubleshooting, repairing and maintaining equipment in industrial or automotive industries (or equivalent education)
- Excellent mechanical aptitude with a "hands on" approach to problem solving.
- Working knowledge of Microsoft Word and Excel
- Excellent verbal and written communication skills to communicate with customers, engineers, and field personnel both over the phone and in writing.

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- Degree in electro-mechanical technology, automotive technology, electrical, or related field is a plus, but Intellihot is willing to train the right candidate regardless of degree completion.
- Ability to travel extensively during first 6-9 months for training, then occasionally to customer sites in the US to assist in start-up and troubleshooting as required. Position would be based in Galesburg.