

Design & Product Engineer

Reports to: Design & Product Engineering, Supervisor/Manager

Supervises: n/a

Overtime Pay Status: Non Exempt

Primary Duty:

Design new USA products and USA special products. Support customers, distributors and company staff regarding the company products. Evaluate the returned products and provide the report to customers.

Communicate with Japanese factories to obtain data, resources and follow up status of the requests. Analyze and generate reports and charts displaying the status and results of these responsibilities in an effective manner by performing the following duties. Take initiative on performing every role and be responsible on the progress and results.

Essential

Job Functions:

- Participates in engineering, design, and review processes.
- Confers with engineers, technicians, production personnel, and others regarding testing procedures and results and to resolve problems.
- Communicate with customer to assist in troubleshooting and qualifying conditions of applications.
- Set up and conduct tests of complete units and components under operational conditions to investigate design proposals for improving equipment performance or other factors, or to obtain data for development, standardization, and quality control.
- Records test procedures and results, numerical and graphical data, and recommendations for changes in product or test method.
- Be able to use test equipment such as: Oscilloscope, DMM, signal/pulse generator, frequency meter, or spectrum analyzer.
- Reads dials or digital displays that indicate electronic characteristics such as: voltage, frequency, distortion, inductance, and capacitance.
- Compare and analyze test results with actual specifications by recording test data and plotting test results on graph.
- Be able to interpret and inspect Oriental Motor products and provide detailed inspection reports to customer and sales.
- Have the ability learn how to inspect and repair electronic components.
- Basic knowledge of Microsoft Access and be able to use it to record data and run queries.
- Experience and knowledge with low-level programming language.
- Liaison between Oriental Motor USA and Oriental Motor Japan for design, R&D work, and quality issues.
- Analyze competitor's catalogs and products to determine benefits and functions.
- Modify or create CAD drawings using AutoCAD Mechanical.
- Ability to work in a team environment and take on supporting work load as necessary.
- Ordering correct packaging and accessories to repackage returns. Must be able to assemble packaging and inserts to repackage product and maintain OM quality.
- Order components from Japan and create invoice for customer.

Collateral Duties:

- Perform other tasks and special projects as needed.

Qualifications:

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Requirements:

- Bachelor's Degree in Engineering;
- 2 years of related experience and/or training, or equivalent combination of education and experience;
- Strong computer knowledge of Microsoft Office Suite Access, Word, Excel and others) and AutoCAD;
- Familiar with operating the electronic products using I/O, PLC, personnel computer and communication profile.

Physical Demands:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to sit, use hands-to-finger, handle, or feel, reach with hands and arms, sit, talk, and hear. The employee is frequently required to stand and walk. The employee is occasionally required to climb or balance and stoop, kneel, crouch, or crawl. The employee regularly unloads, stacks, and sorts materials and operates a hand truck. The employee must regularly lift and/or move up to 10 pounds and occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus.