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**Job Title:** Electronics Technician

**Department:** Manufacturing

**Reports to:** Production Manager

### **Company Overview:**

Western Marine Electronics (WESMAR), based in Arlington, WA is a world leader in the design and manufacture of sonar for the commercial fishing industry, and marine equipment for propulsion and stabilization of yachts and commercial marine vessels.

Founded in 1965, WESMAR pioneered technology advances in sonar and radar. WESMAR was the first company to introduce counter rotational dual propeller bow and stern thrusters and introduced significant advances in stabilization technology for yachts and work boats.

Due to growth and expansion into our new facility in Arlington, WA we are seeking qualified candidates for the position of an Electronics Technician.

### **Position Overview:**

This position will assemble, calibrate, test, and repair electronic equipment. This will include using hand tools and benchtop instruments to troubleshoot components and other electronic devices as needed. The position will also work with the Engineering department to assist in product development activities.

### **Responsibilities:**

- Manually assemble complex electronic and electro-mechanical devices and systems in accordance with schematics and wiring diagrams
- Diagnoses the cause(s) of electronic or mechanical malfunction or failure of operational equipment and perform preventative and corrective maintenance
- Adjust, calibrate, align, and modify circuitry and components and record effects on unit performance
- Remove, repair, or replace defective components, such as resistors, transformers, and capacitors, using soldering iron and hand tools
- Assist with the development of layout and assembly procedures, including recommending changes in circuitry or installation specifications to simplify assembly and maintenance
- Participate in problem solving and troubleshooting activities with engineering personnel and draw sketches to clarify design details and functional criteria of electronic units
- Set up standard test apparatus or device test equipment and circuitry to conduct functional, operational, environmental, and life tests to evaluate performance and reliability
- Analyze and interpret test data
- Write technical reports and develop charts, graphs, and schematics to describe and illustrate system operating characteristics, malfunctions, deviations from design specifications and functional limitations for consideration by engineers.



- Assembly of experimental circuitry or complete prototype model according to engineering instructions, technical manuals, and knowledge of electronic systems and components
- Programming of firmware into EPROMS and similar devices
- Occasionally need to brush touch-up paint on cabinet or case, and varnish on exposed wiring
- Other duties as assigned.

**Qualifications:**

- Associate's Degree (A.A.) or equivalent from two-year college or technical school
- *Or* Equivalent combination of education and experience
- Experience of electrical maintenance, assembly and repairs of marine products preferred
- Ability to read, analyze, and interpret instructions, technical and procedure manuals, short correspondences and memos
- Ability to read and interpret circuits, diagrams, logic tables, circuit timing diagrams, computer code and programming
- Ability to write routine reports, analysis reports and correspondence
- Ability to effectively present information in one-on-one and small group situations to customers, clients, and co-workers
- Aptitude to utilize creative and forward-thinking skills
- Understand mathematical concepts such as addition, subtraction, multiplication and division in all units of measure, using whole numbers, common fractions, and decimals.
- Ability to compute rate, ratio, and percent
- Capability to draw and interpret bar graphs
- Experience in solving problems and ability to deal with a variety of concrete variables in situations where only limited standardization exists
- Apply common sense understanding to carry out instructions furnished in written, oral or diagram form
- Meticulous, detailed, proactive, and self-motivated

**Computer/Technology Experience:**

- Proficiency with Microsoft Word, Excel, and Outlook
- Experience and proficiency with standard bench top instruments
- Experience with embedded systems

**Certificates/Licenses:**

- None

**Work Environment:**

- Varied environment including a standard shop environment
- Noise level is moderate to high
- Employee is regularly required to move to various locations
- Frequent communication may be required

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**Physical Demands:**

- Capable of lifting and/or moving objects up to 50 pounds
- Frequently reach with hands and fingers
- Regularly required to sit for long periods of time
- High level of manual dexterity, ability to manipulate small components with hands and fingers
- Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions

**Compensation:**

- Depends on Experience

**Benefits:**

- Medical / Dental / Vision / Life
- 401K
- Optional additional life insurance
- Paid Holidays / Vacation

Please submit your resume through email to [HR@wesmar.com](mailto:HR@wesmar.com).