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Position Profile

Title: Senior Electrical Project Engineer

Salary Range: DOE

Start Date: Immediate

Direct Report: Director of Electrical Manufacturing Services

Division: Electrical Manufacturing Services

Company Information: East West Manufacturing (EW) is a leading Atlanta-based global contract manufacturer for original equipment manufacturers and distributors throughout the United States and Europe. With operations in Vietnam, China and India, EW utilizes transparent supply chain, on-site quality control and logistics systems to provide its customers with superior products and competitive cost advantages. Founded in 2001, EW's U.S.-based management combined with its international capabilities ensures that customers reduce the risks and complexities of offshore manufacturing. For more information about EW's Domestic Offshore Manufacturing® model, visit www.ewmfg.com.

Job Description: Senior Electrical Project Engineer needed for a growing entrepreneurial offshore contract manufacturing company contributing to all engineering and product design functions including research, development and evaluation of electronic and mechanical assembly components for their relevant physical properties, use with manufacturing processes, product applications, and cost. Candidate will assist with project details from design inception through product life cycle, regulatory submission and approvals, as well as provide technical support and research in manufacturing electronics and assembly. Assist in developing quality specifications for inspection and testing manufactured products based on engineering, consumer, and regulatory test standards (ASTM, SAE, ASME, IEC, IEEE, UL, CSA, ISO, FCC, etc).

Candidate Profile: The ideal candidate for this particular opening will hold a BS in Electrical Engineering from a reputable engineering program with 5-8 years of experience in a consumer or industrial mechanics / electronics development or implementation role. Candidate should possess strong experience in circuit analysis and design (analog and digital domains) and cross-functional project management as well as practical foundations in mechanical product development and manufacturing (injection molding, stamping, casting, etc),. Experience with electronics assembly and manufacturing process development is preferred (including solder screen printing, pick & place, reflow and selective / wave solder).

Requirements:

- Education or experience with the following products, material components, and processes: analog & digital circuitry, microprocessor and microcontroller systems, transformers, PCB / PWBs and electronics assemblies, electronic hardware, and other electronic systems and processes.
- Practical knowledge of electrical safety systems used in appliances/devices; e.g. fuses, thermal overloads, impedance-protected motors, GFCI's, etc
- Firm grasp on the fundamentals of injection molding, stamping, casting, etc.
- Experience working in a hands-on, fast-paced, evolving environment
- Strong communication and analytical skills for interfacing with manufacturing, sales team and customers
- Must possess a sense of strong self-direction
- Ability to diffuse problematic situations (thinking outside of the box)
- Ability to work in diverse environments
- Aggressive, meticulous, forward thinking, and high energy team player
- Analytical skills, management skills, detail oriented self starter
- Demonstrated skills with electronic diagnostic equipment such as Oscilloscopes, Ohm meters, soldering irons, test circuit boards
- Basic mechanical aptitude for machining and testing mechanical assemblies in plastic or metal.
- Proficient using MS Outlook, MS Excel, and MS Word
- Advanced skills with Technical software packages including AutoCAD, Solidworks, OrCAD, Mentor Graphics or other EDS software desired.

Responsibilities:

- Senior Electrical Project Engineer will report to Director of Electrical Manufacturing Services
- Evaluate feasibility of manufacturing existing customer products and design enhancements
- Develop quality specifications for inspection and testing manufactured electronic products based on engineering, consumer, and regulatory test standards
- Review, develop, modify and release technical documentation including mechanical drawings, PWB layout files, schematics, bills of materials, quality procedures and validation protocols.
- Manage the development, prototyping, and initial production of electro-mechanical products.
- Routinely communicate complex technical details of products with customers and to overseas engineering staff
- Manages project deadlines for customer approval of sample submission, production deadlines, documentation of product specifications
- Coordinates product sample submissions for consumer and regulatory agencies such as UL, CSA, IEC, and FCC
- Periodic travel to Asia including China and Vietnam

Bonus Skills:

- Master's Degree from an accredited Electrical, Mechanical or Materials Engineering or Technology Curriculum
- Education in Electric Motors/Electronic Controls Experience
- Understanding of electro-mechanical assembly including metals and plastics
- Understanding of –or– ability to learn UL submission for electronic and appliance products

Interested candidates should submit resume and cover letter to asanderson@ewmfg.com.