



East West  
design • manufacturing • distribution

## ***Senior Product Development Engineer***

**Company Information:** East West is a leading Atlanta-based design services, global contract manufacturing, and distribution partner for original equipment manufacturers and distributors throughout the United States and Europe. With domestic operations in Georgia and North Carolina and international operations in Costa Rica, Vietnam, China and India, the Company utilizes transparent supply chain, on-site quality control and flexible logistics systems to provide its customers with superior products and competitive cost advantages. Founded in 2001, East West's U.S.-based management, combined with its domestic and international capabilities, reduces the risks and complexities of global manufacturing for its customers. Please see our website at [www.ewmfg.com](http://www.ewmfg.com) for additional information.

**Job Description:** The Senior Product Development Engineer is responsible for engineering and product design, including Design For Manufacturing (DFM) and cost, of plastic, metal, rubber and electronic assembly components. This Engineer will champion projects from Request for Quote (RFQ) through New Product Introduction (NPI) and provide sustaining support for Production Released (PR) products. The Senior Product Development Engineer provides technical support in various manufacturing disciplines (including plastic injection molding and metal working); determines appropriate materials and processes for optimal achievement of product requirements; Ensures on-time delivery of prototypes and production launch of new or modified products; Communicate with customers for resolution of technical issues; Reviews, approves and obtains customer approval of Production Part Approval Process (PPAP) document packages; Develop quality specifications for inspection and testing of manufactured products based on engineering, consumer, and regulatory test standards. Position will be based in Atlanta and report to the Vice President of Engineering. If you are looking for a dynamic role working on a variety of interesting projects with a flexible work schedule, this position could be for you!

### **Responsibilities:**

- Support sales efforts to engage and attract new customers and expand business with existing customers
- Review customer designs, drawings and specifications to ensure a manufacturable product (DFM)
- Serve as primary technical contact with customer upon PO receipt for tooling and / or samples
- Recommend design changes, alternate materials, processes or coatings for improved functionality, quality and/or cost
- Oversee or directly create principle and supporting documentation to create a unified package which captures dimensional, operational and quality requirements for manufactured products.
- Execute Engineering Change Requests and participate in required workflows to control technical documentation using company's document systems
- Champion all engineering facets of the New Product Introduction (NPI) process by working directly with customers to understand the requirements of the product and ensuring our business unit colleagues are equipped to manage production at corporate and contract factories
- Develop quality specifications for inspection and testing of manufactured products based on customer, engineering, consumer, and regulatory test standards
- Arrange or conduct testing/validation of prototypes and completion of internal and customer qualification requirements and Coordinate product sample submissions for consumer and regulatory agencies such as UL, CSA, IEC, ETL, and FCC
- Review, approve and obtain customer approval of full Advanced Product Quality Planning (APQP) compliant Production Part Approval Process (PPAP) documentation packages
- Collaborate with corporate quality team to ensure smooth transition of projects upon Production Release
- Contribute to and implement ISO-compliant processes for NPI



- Maintain clear and prioritized task list for all project details using project management software
- Provide sustaining support of parts in production via customer-driven or manufacturing-driven change management and technical resolution of quality issues
- Assist company growth initiatives, as needed, including recruitment, facilities improvement, process improvement and business expansion with customers
- Manage relationships with 3<sup>rd</sup> party suppliers
- Up to 20% domestic and international travel, including factory and customer visits
- May lead or mentor a less experienced product development engineer

## Requirements:

- Bachelors Degree in Mechanical Engineering (Masters Degree preferred)
- Minimum 10 years of direct professional experience with same or similar products, materials and manufacturing processes, including consumer and/or industrial product development and implementation
- Extensive experience with several of the following technologies: metal casting, metal fabrication / forming / assembly, metal welding / plating / coating, metal stamping / precision machining, plastic injection or extrusion molding, rubber compression molding
- Proficiency with GD&T; preference to candidates with ASME GDTP certification
- Engineering knowledge of both properties and performance of materials, polymers and alloys commonly used in the industrial, commercial and consumer product space
- Minimum 5 years of experience collaborating with manufacturing facilities in Asia
- Capable of working in a hands-on, fast-paced, evolving environment
- Detail oriented; with exceptional analytical skills
- Extensive experience creating, implementing and successfully achieving New Product Introduction (NPI) schedules, including rapid issue resolution and driving consensus among multiple stakeholders
- Strong communication and analytical skills for interfacing with manufacturing, sales team and customers
- History of success in creatively solving problems (thinking outside of the box)
- Proficient using MS Office
- Minimum 10 years of experience and advanced skills creating and modifying drawings in Solidworks and Autocad or equivalent
- Experience with regulatory test standards (ASTM, SAE, ASME, IEEE, UL, CSA, ISO, RoHS, REACH, Prop65, etc) preferred
- Experience using computer modeling/simulation techniques (CFD, FEA, moldflow analysis, etc.)
- Must enjoy and be successful working concurrently on a variety of dynamic projects