



Job Description

Job Title: Senior Project Engineer

Department: Engineering

Reports To: Engineering Manager

Direct Reports: None

Company Overview: Founded in 1985, Blue Ridge Industries (BRI) began as a custom injection molder and assembler of plastic parts in Winchester, Virginia. Over the years, BRI has developed and expanded its injection molding capabilities with presses ranging from 84 to 950 tons. With over 150,000 sq. ft. of manufacturing and warehouse space, BRI has added other services to meet the needs of customers across the country and around the world. BRI offers engineering services, automated assembly options, specialized decorating, warehousing, and end-user fulfillment.

Summary: Due to rapid new and existing customer growth, BRI is seeking a motivated Senior Project Engineer (SPE) to add to its current team of Engineers. The SPE is responsible for “cradle-to-grave” engineering across multiple products and customers, working with customers and vendors to define product requirements, design products and associated manufacturing processes, evaluate and select raw materials, as well as create and test prototypes, all in accordance with BRI’s ISO9001-certified quality management system. It is BRI’s mission to achieve complete customer satisfaction while focusing on continuous improvement. The SPE works as a cross-functional technical team leader with other BRI departments to ensure all projects are completed within schedule and budget.

Responsibility: The SPE is responsible for meeting all project requirements through excellent engineering design and technical support, in close coordination with the customer and BRI vendors. The SPE provides technical assistance to all departments to prevent nonconforming product from being produced.

Key Job Tasks/Duties:

- Independently create, evaluate, improve, and optimize product designs through CAD, simulation, complex analysis, and advanced 3D prototyping to solve complex challenges and develop products that wow BRI customers and customers’ end users. Assists other BRI engineers with the same. (40%)
- Lead assigned projects, proactively communicating directly to customers and vendors as the Subject Matter Expert to find high quality solutions. Document and design for product requirements, forecast and to meet project schedule. Resolve technical issues, implement design changes, optimize for injection molding Design-For-Manufacturing (DFM) and Design for Automation (DFA), create, and manage CAD models/drawings in product data management PDM (systems), complete performance testing, and drive engineering project meetings. (20%)

- Provide technical guidance and assistance to manufacturing including, but not limited to during pilot production, part revision, material change trials, and generation of PPAP documentation. (15%)
- Successfully complete all individual annual professional development goals. (10%)
- Independently prepare basic and complex RFQs and POs to tooling and other vendor partners. (5%)
- Support management with product requirements, product data, and simulation results that enable BRI to win new design, product, and tooling projects. (5%)
- Other duties as assigned. (5%)

Qualifications/Skills:

- **Education:** Any combination of education and experience equivalent to a Bachelor of Science (BS) Plastics/Mechanical/Materials Engineering and at least eight (8) years related Project Engineering/Project Management experience.
- **Equipment usage:** Must have at least five (5) years' recent experience with a Computer Aided Design (CAD) program, preferably SOLIDWORKS®. Simulations (Plastic and FEA) experience desirable. Must be familiar with various types of dimensional and physical testing equipment. Direct injection molding machine and tooling design/manufacture experience desirable.
- **Language Skills:** Must be able to read, write, and speak English fluently. Excellent verbal and written communication skills are required. Must be able to interpret documents such as technical drawings (including those containing GD&T), schematics, or computer-generated reports. Must also be able to read and interpret safety rules, operating and maintenance instructions, and procedures; write routine reports and correspondence; speak effectively before groups of customers or employees. Must understand and be able to comprehend Blue Ridge Industries' Quality Policy and Objectives.
- **Environmental Conditions:** Individual may be exposed to hot, cold, and/or humid conditions and must be able to adapt accordingly. Must always adhere to safety regulations.
- **Physical Activity:** Must be able to sit or stand for extended periods of time. Must be able to walk, talk, kneel, crouch, crawl, reach, and use hands to handle or feel objects, tools, or controls. Must be able to lift a minimum of 50lbs.
- **Vision Requirements:** Specific vision abilities required by this job include close vision, color vision, peripheral vision, depth perception and the ability to adjust focus.

Location: This position is located at BRI headquarters in Winchester, VA. This position requires relocation to the Winchester, VA area. Ability to work from home (<20%) as project needs require.

Travel: Less than 10% travel to customer, supplier, training, and other local BRI sites is required.

Type of Employment: Full-time, salaried exempt. Weeks will vary, but this position can expect to work at least 45 hours per week to accomplish required individual and department goals.

Salary and Benefits: Salary is competitive and commensurate with experience. BRI offers nine (9) paid company holidays with a competitive vacation policy. BRI offers medical, dental, vision and voluntary insurance options. The company provides a 401(k) plan with a company matching program. Professional development assistance is also available on a case-by-case basis as company needs require. This position is eligible for an annual performance-based bonus.

Contact Information: Please contact BRI HR at 540-662-3900 or HR@blueridgeind.com for more information.

This job description in no way states or implies that these are the only duties to be performed by the employee(s) in this position. Employees will be required to follow any other job-related instructions and to perform any other job-related duties requested by any person authorized to give instructions or assignments. This document does not create an employment contract, implied or otherwise, other than an “at will” relationship.

Blue Ridge Industries, Inc. is an Equal Opportunity Employer, drug-free workplace, and complies with ADA regulations as applicable.