

G.R. Manufacturing, Inc.

Product Engineer

Job Description:

As a Product Engineer at G.R. Manufacturing, Inc. you will design, develop or redesign new or existing products for John Deere machinery. You will work from customer requirements or instructions to design and develop new components or redesign existing components to improve our products. You will determine and establish specifications through engineering calculations and layouts. You will oversee assembly and testing of production prototypes. You will communicate with our vendors to obtain information and assistance.

Responsibilities will include but not be limited to the following:

- Develop designs for products, and technical/instructional documentation with minimum supervision.
- Plan, organize, and coordinate own work.
- Collect, read, interpret, and use related reference documents and drawings prepared by other disciplines, vendors, or outside sources.
- Ensure compliance with approved design standards to provide quality designs, safety, manufacturability, reliable operation, and operating convenience.
- Review and check calculations, design models, drawings and design documents for quality, accuracy, neatness, functionality, and satisfactory completion.
- Frequent contact and interaction with customers, vendor's representatives, assembly/shop personnel, peers, and other discipline employees.
- Assist others with assembling bid, approval, and manufacturing drawing packages.
- Help others collect or deliver design and engineering data.
- May work in a lead role on some projects.

Using engineering and design computer software to complete assigned work, you would:

- Provide drawings for your own designs and produce sketches to incorporate in drawings by other Engineers and Designers.
- Would research design options.
- Review shop drawings.
- Research relevant code issues.
- Assure that drawings and designs are in accordance with the G.R. Engineering Handbook.

Typical duties will include but are not limited to the preparation and/or modification of the following:

- Drawings and layouts
- Specifications
- Technical calculations
- Charts and graphs for design data
- Cost estimates and bills of materials
- Data entry
- New product design
- Current product improvement

Education:

- Bachelor Degree in Mechanical Engineering or other relevant engineering discipline.

Required Software Skill & Experience:

- PTC Creo Parametric 2.0 preferred or 3D modeling software experience with detail drawing, large assemblies, part generation, sheet metal, and piping design models; minimum 4 years' of experience.
- Windchill/PDM Link 10.0 data management or similar with a minimum of 4 years' experience.
- Working knowledge of Microsoft Office Suite; Excel, Word, PowerPoint, and Outlook.

Additional Skills & Experience:

- AutoCAD - Line drawings, electrical and hydraulic schematics will be a plus.
- Knowledge of heavy construction/forestry equipment and regulatory standards and codes will be a plus.
- OEM Tier 1 Supplier experience
- Experience in working with multiple discipline projects will be a plus.

Work Environment & Physical Demands:

- This work of this position will generally be performed in an office environment, at a computer workstation utilizing various input devices.
- While performing the duties of this job, you may be required to work on and around heavy construction, forestry and agricultural machinery, as needed, for up to a full work day. You would be required to stand, walk, sit, reach with hands and arms, climb or balance, stoop or kneel, talk and hear, and use fingers and hands to feel objects, tools or controls on and around this machinery.
- Occasional travel to visit a Customer, production facility or job site over multiple days may be required.
- Must occasionally lift and/or move up to 25 pounds.
- Specific vision abilities required include close vision, distance vision, depth perceptions, and the ability to adjust focus.
- Overtime may be necessary as workloads dictate. This may include weekdays, weekends.
- Post Offer, Pre-employment drug test will be required.
- Background screening which may include previous employment, education, criminal history, and driving record verification will be required.

Employment Status: Salaried Exempt

Reports To: Engineering Manager/Supervisor

Send resume including salary history to: Lee Calton – caltonlee@grtractors.com

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