

Natural Fiber Welding (NFW) is a material science company giving industries categorically new material platforms to create responsibly. NFW invents and manufactures shockingly sustainable products from plants. Beginning with inherently circular, natural ingredients, NFW is making a material-rich, plastic-free future possible. NFW was founded in 2015 and is based in Peoria, Illinois.

We offer competitive salary, paid vacation and sick time, flexible work-life balance, great colleagues and more!

The **Senior Rubber Compounding Engineer** provides engineering expertise for conceptual studies, feasibility analysis, process design, start-up, optimization and troubleshooting of manufacturing equipment and processes to facilitate operator training and data driven communication across the organization to ensure fact-based decision making and compound readiness. The Senior Manufacturing Process and Development Engineer provides critical insight to management with recommendations to improve the utilization of personnel and equipment and to deliver increased quality output and efficiency of product. Works with Maintenance and Engineering to support the Production Team in order to deliver the highest quality product at the lowest cost.

Essential Job Functions:

- Develop compounds and manufacturing methods to achieve novel material morphologies
- Design experiments to elucidate root cause and countermeasures to eliminate or mitigate product quality and throughput challenges.
- Collaborates with development teams to assure alignment of product trials, trial results, and next steps required to successfully hand off for scalable reproduction.
- Project Management – Design, document and implement new manufacturing processes.
- Liaison to the Business Units to quantify product manufacturing readiness, risks, and launch capability.
- Facilitates system integration -facility layouts, production systems design, manufacturing process design and facility design.
- Works collaboratively across the enterprise to optimize manufacturing process.
- Work hands on with maintenance and engineers to troubleshoot equipment and build efficiency.
- Coordinate with the business units to align research and development priorities with manufacturing capability and technical difficulty.
- Provides input to engineering manager as related to implementation of new production technology, processes, and product integration.
- Train/supervise new engineers and technicians as needed.
- Assists Manager, Manufacturing Engineering in daily work-loading and follow-up within the Manufacturing Engineering team.
- Document results and provide conclusions & recommendations
- Stay up to date with technological developments in rubber compounding and seek bio-based analogues to petrochemical additives.
- Other related duties as assigned.

- A Bachelor of Science degree in a field related to rubber processing (Chemical Engineering, Polymer Science, Materials Science, Rubber Engineering Technology, etc.) and 10 years of directly transferable work experience, or an equitable combination of education and experience as required to successfully perform the indicated tasks.
- Desk top application / computer software experience
- 1 to 3 years working within a product development team, preferably rubber compounding.
- Working knowledge / 1 to 3 years operation of rubber manufacturing equipment, equipment implementation and processes development.
- Demonstrable problem-solving skills and Root Cause Analysis, working knowledge of LEAN manufacturing.

Competency Requirements

- Strong problem solving and analytical skills
- Ability to read, analyze and interpret data
- Meticulous attention to detail is mandatory
- Ability to work in a team as well as independently
- Ability to work in a fast-paced environment
- Ability to take direction and prioritize action from multiple people
- Ability to create process within an ambiguous environment.

Physical Requirements

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

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- Frequent talking, hearing and seeing
- Frequent using of hands to grasp, handle, or feel
- Regular standing, walking, sitting, and reaching
- Occasional lifting of up to 25 pounds

Vision Requirements

- Close vision (clear vision at 20 inches or less)Distance vision (clear vision at 20 feet or more)
- Color vision (ability to identify and distinguish colors)
- Peripheral vision (ability to observe an area that can be seen up and down or to the left and right while eyes are fixed on a given point)
- Depth perception (three-dimensional vision, ability to judge distances and spatial relationships)
- Ability to focus (ability to adjust eye to bring an object into sharp focus)

Work Environment

- Primarily operates in office and manufacturing environment

- Some of the work is performed in a shop environment where it may be loud, dusty, hot or cold
- Routinely uses standard office equipment such as computers, phones, photocopiers, filing cabinets and fax machines
- Required to use personal protective equipment 5 hrs/day on average

Natural Fiber Welding is an Equal Opportunity Employer.

Apply Here: <https://www.click2apply.net/W7kAoVc7zWDzouO4kcpWKe>

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