Senior Product Manufacturing Engineer

at Varro, Inc.

St. Louis, Missouri

Who We Are

Join us on our mission to bring breakthrough Micro-Immunoelectrode (MIE) Technology to market for real-time detection of respiratory pathogens, a leading cause of disease transmission. At Varro, we're developing innovative, ultrafast, and cost-effective devices to detect pathogens in breath and indoor air. Designed for ease of use, portability, and seamless integration with other systems, our devices enable early and accessible disease detection.

Working with Varro is an opportunity to reshape the future of life sciences through transformative technology. Driven by the potential to save lives and build a safer world, we are committed to solving real-world challenges and maximizing our global impact.

What We Live By

- **Data-Driven Decisions:** We strive for the best solutions, informed by data and optimized for speed, simplicity, and scalability.
- **Support Each Other:** We celebrate the ideas and contributions of our teammates, recognizing that success is achieved together when everyone feels heard and valued.
- **Simplify:** We create intuitive solutions that lead to clear, meaningful outcomes, enhancing public health and improving patient care.

Key Responsibilities

What You Will Be Doing

The Senior Product Manufacturing Engineer will be a key member of the Varro Life Sciences Manufacturing team. As the Senior Product Manufacturing Engineer, you will be the operations subject matter expert, driving close alignment with cross functional teams to meet manufacturing and R&D deliverables. This position will have multiple technical responsibilities supporting R&D internally, as well as with our contract manufacturing partners (CM) in the following areas of focus: manufacturing engineering, manufacturing test, industrial engineering, product packaging, graphics and labeling, assembly tooling, supplier tooling, and other initiatives associated with the development and commercialization of our product.

As part of our team, your core responsibilities will be to:

- **A technical lead collaborating closely with program management both internally and externally supporting the execution of key programmatic deliverables**
- **Lead process development support with our CM partners and associated suppliers on establishing the appropriate capital assembly tooling strategies**

- **Support the coordination and review with our CM partners on cost of goods estimations, capacity planning models, manufacturing builds, and process validation efforts**
- **Support cost down initiatives with the CM by actively working with the CM partners and their suppliers to improve efficiencies and aid in problem resolution within the manufacturing work stream**
- **Collaborate with R&D on design change management impacts to manufacturing**
- **Cross functional team member supporting CM and tier 2 supplier on DFM, DFA, and DFT efforts**
- **A technical contributor on DFMEA, and technical lead on PFMEA and control plan efforts**
- **Technical oversight with the CM ensuring that bills of materials, assembly drawings, and assembly process instructions are clearly defined**
- **A cross functional lead in collaboration with all R&D, QA/RA, and the CM on labeling, graphics and general operational initiatives**
- **Advise management on programmatic developments which impact schedule and costs**

What We Are Looking For

Baseline Skills, Experiences, & Attributes:

- Bachelor's Degree in Mechanical, Electrical, Manufacturing or a related engineering discipline
- 5+ years of applicable engineering experience, with at least 3 years within medical devices
- Familiarity with quality and regulatory requirements including FDA's Quality System Regulation, ISO 13485, etc.
- 3+ years of experience in process validation (IQ/OQ/PQ) and working knowledge of DFMEA and PFMEA
- Knowledge of Design for Excellence principles (e.g. DFM, DFA, DFT, DFS)
- Prior experience with contract manufacturers and suppliers, including ECOs and SCARs
- Strong written and verbal communication skills
- Strong presentation and negotiation skills, with ability to influence internal and external customers on technical issues
- Strong organizational skills
- Experience with Google Workplace and Microsoft Suite

Preferred Qualifications:

- Advanced Degree in a related discipline
- Green Belt Certification or higher in Lean Manufacturing and/or DMAIC Six Sigma
- Knowledge of gears, motors, sensors, and complex electromechanical assemblies
- Familiarity with manufacturing automation tooling (e.g. functional testers, assembly tooling, in-circuit testers)
- Knowledge of screen printing and printed circuit board assembly processing

Physical Job Requirements:

The physical demands described within the responsibilities section of this job description are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations will be made to enable individuals with disabilities to perform the essential functions.

- Must be able and willing to lift 40 lbs
- This position is required to work onsite at our office location in St. Louis, MI
- This position may require travel between 15-25% of the time.

Location and Compensation

This is an onsite, full-time position located in St. Louis, MO.

Anticipated Salary Range: $115,000 to $145,000 annually. The base salary range represents the anticipated low and high end of the salary range for this position. Actual salaries will vary and may be above or below the range based on various factors including but not limited to work location, operational needs, potential employee qualifications and other considerations permitted by law. The range listed is just one component of our total compensation package for employees. Other rewards may include annual bonuses, equity and program-specific awards.

In addition, we provide a variety of other benefits to employees including but not limited to:

- Medical, dental, and vision coverage.
- 401(k) plan
- Remote work arrangements
- Annual bonuses, equity options, and other awards

You will have the opportunity to build revolutionary products that can save millions of lives!

VARRO Life Sciences does not accept agency resumes.

VARRO Life Sciences is an E-Verify and equal opportunity employer regardless of race, color, ancestry, religion, gender, national origin, sexual orientation, age, citizenship, marital status, disability or Veteran status. All your information will be kept confidential according to EEO guidelines.

Apply at careers@varrobio.com