

Position: Senior Mechanical Engineer

Supervises:

Reports To: Director of Operations

- Mechanical Engineers

Employment Status: Regular, Full Time

- Assembly Technicians

FLSA Classification: Exempt, salaried

Pay Range: TBD

Position Summary:

The Senior Mechanical Engineer should demonstrate a strong working knowledge of mechanical systems; the desire to learn from new challenges and possess highly developed problem-solving and communication skills to work within a collaborative team. Candidates must demonstrate a hands-on passion for their work and be able to communicate their ideas and concepts both verbally and visually. Candidates must demonstrate an ability to integrate feedback and to respond quickly to fluctuating priorities.

Responsibilities and duties:

- Participate in all aspects of the design and development process, including research, design, part selection, material sourcing, manufacturing, and testing
- Assist with training and supervising mechanical engineering and assembly staff; responsibilities include training employees; planning, assigning, and directing work
- Collaborate to develop innovative and creative solutions for complex engineering issues
- Design and build tooling, test fixtures and prototypes
- Conduct engineering testing and independent engineering analysis
- Participate in design reviews
- Document control: originate and update drawings, procedures, BOMs, work instructions and reports
- Analyze customer requirements to determine mechanical designs
- Collaborate with engineers and assembly technicians to develop delivery schedules and communicate these schedules with the customer
- Interface with end user regarding system performance/production requirements, delivery, and installation planning
- Promote quality workmanship standards among team members and always display strong quality awareness
- Supervise mechanical engineers and assembly technician staff
- Promote a positive attitude and strong work ethic among engineering and assembly technician teams
- Ensure human and material resources are available to meet project requirements and deadlines
- Execute plans and processes that maximize efficiency and cost-savings through effective use of manpower, equipment, and materials
- Monitor design standards and implement/practice best practices
- Other duties as assigned

Education and experience:

- Bachelor's degree in Mechanical Engineering or related field or equivalent work experience required, Master's degree a plus
- 7+ yrs experience, product development required

Knowledge, skills, and capabilities:

- Demonstrated knowledge of tooling, volume manufacturing, and materials process validation
- Demonstrated design experience integrating component modules
- Product validation experience
- Strong 3D CAD and database management skills, Solidworks
- Demonstrated experience with thermal analysis and testing
- Analytic problem-solving skills
- Demonstrated leadership and mentoring skills
- Demonstrated experience of structural analysis and testing
- Experience working in ISO9001, ISO13485 or other standardized quality management system environments
- Experience working in medical device, technology development or technology manufacturing environments

Physical, Mental and Visual Demands

- Lifting, carrying, reaching 50 lbs. and less – frequently; over 50 lbs. –seldom
- Sitting, standing, seeing, walking, hearing – frequently
- Typing, keying continually
- Continuous mental and/or visual attention; the work involves performing complex tasks to very close accuracy and continual work using a computer