

Equilibar - Design and Manufacturing Engineer

Job Location: Fletcher, NC

Position Type: Full Time in office

Reports to: Engineering Manager

Equilibar has an opportunity for a motivated design and manufacturing engineer who is a problem solver with hands-on skills and the ability to hit the ground running. At Equilibar, we empower you to use your creativity and ingenuity in a collaborative environment where your contributions foster personal growth and drive advancements of technologies in the fluid control industry. If you are a talented mechanical engineer seeking an exciting opportunity in the heart of the beautiful Western NC Appalachian region, this might be the role for you.

Your Role: As a Design and Manufacturing Engineer, you will provide engineering analysis and support for customer problems; contribute innovative ideas to the design and conceptualization of new products; and continue to find ways to optimize and standardize our current products and processes. You will provide engineering services to achieve overall company objectives.

We are looking for someone who can create an environment that holds true to our cultural norms and expectations. Design Engineers at Equilibar have a high cultural expectation to work towards solutions with urgency, as many technical questions revolve around customer problems and/or new product development.

Key Responsibilities:

- Develop and collaborate on research and new product development programs with engineers and technicians.
- Collaborate with Manufacturing and Engineering teams to improve product quality and optimize process efficiency.
- Support Customer Service and Sales Application teams to troubleshoot customer issues and design customer solutions.
- Work with suppliers to improve quality, timeliness and cost
- Effectively use 3D modeling to create and maintain drawings, Bills of Material, and design specifications.
- Machine / fabricate prototypes for new product testing

- Work in the lab to test new products and materials and solve customer problems.
- Communicate with customers (over phone, email, and video calls) to facilitate troubleshooting and support.
- Collaborate with the Marketing team to create technical customer documentation.

What We're Looking For: To thrive in this role, you should have:

- Minimum 4-year bachelor's degree in mechanical engineering, or similar mechanically related technology.
- 1-3 years of engineering experience preferred
- Machining experience, including CNC mill and lathe programming, operating preferred
- A solid understanding of fluid dynamics concepts (pressure, flow, density, viscosity) and the ability to apply them to design concepts
- Strong CAD design skills, particularly using Autodesk Inventor
- Proficiency in Microsoft Office and the ability to manage and analyze large datasets.
- Strong written and oral communication skills, with the ability to present technical information clearly and effectively.
- A proactive mindset and a drive to take ownership of your projects.
- High level of self-confidence, flexibility, integrity, and intellectual honesty.
- Adaptable to changing situations and able to thrive in a dynamic work environment.

What's in It for You? We offer a unique opportunity to grow with a rapidly expanding technical company that values mentorship and personal development. Our benefits include:

- Comprehensive health insurance including medical, dental and vision
- Paid time off and holidays
- Matching 401K program
- Tuition assistance & continuing education

Equilibrar is committed to fostering a culture of growth mindset and creating an environment where you can thrive. We welcome candidates from all backgrounds and

abilities, and reasonable accommodation will be made to enable individuals with disabilities to perform essential functions.

Why Choose Equilibar? We are dedicated to designing and manufacturing custom fluid control valves that power advancements in research and industry worldwide. From aiding space flight to developing groundbreaking medicines, our products are at the forefront of innovation. Together at Equilibar our richly diverse 34-person team has cultivated a collaborative environment that values curiosity, respect, and grace, ensuring that every team member's behavior positively impacts our collective success. We celebrate both professional and personal milestones, fostering a sense of community where every contribution is valued. Plus, you'll enjoy the stunning outdoor and cultural offerings of Asheville, NC.

Ready to Make a Change? If you're curious, innovative, and eager to tackle challenges head-on, we'd love to hear from you. Please send us **your resume** along with a **cover letter** detailing your work history, education, and what excites you about this opportunity to careers@equilibar.com;