

Mechanical Design Engineer

Job Description: We are searching for a hands-on Mechanical Design Engineer to join our team and help us build advanced high vacuum and cryogenic equipment for the infrared (IR) image sensing community. Your duties will include the modeling, design, development, fabrication and assembly of cryogenic vacuum systems for test and operation of IR sensors. You will work extensively with Senseker's customers, suppliers, engineers and on-site technicians throughout the product life cycle. You will also work cross-functionally with Senseker's physicists, electrical engineers and business staff daily. You will use both additive and subtractive manufacturing techniques in your creations and continuously strive to optimize our manufacturing flow. You should be comfortable executing your own work instructions and drawings so that you have confidence others can successfully build what you create. You should be comfortable working in a relaxed yet professional small to medium sized business environment.

Work Experience: Entry level to experienced professional

Required Education: Bachelor's degree in Mechanical Engineering.

Work Location: Some weekly on-site required (hands-on), hybrid schedule OK

Required Attributes:

- US person status **required** for this position, pursuant to the terms of government contracts with Senseker*
- Proficient in creating SOLIDWORKS models and drawings
- Proficient at reading mechanical drawings
- Familiar with applying appropriate tolerances to manufacturing drawings
- Proficient working with basic hand tools and general assembly
- Ability to operate milling machines and lathes or willingness to learn
- Comfortable communicating with suppliers and customers on a daily basis
- Ability to follow QMS SOPs and provide advice of required or desired changes to documentation
- Dependable with good time management and self-motivation to get tasks accomplished
- Good communication and collaboration skills with the ability to work tightly with a small team
- Drive to invent new equipment, techniques and components to advance our products

Desired Attributes:

- Ability to read electrical schematics
- Familiar with design requirements for cryogenic high-vacuum systems
- Proficient in operating milling machines and lathes
- Proficient in SOLIDWORKS Simulation or similar software for stress and thermal simulations
- Proficient in 3D printing plastic parts

Job Type and Location: Full-Time in Santa Barbara, CA, USA

Benefits: Competitive compensation, development opportunity, flexible schedule, relaxed working environment, located in a great beachside community.

Submit your resume at www.senseker.com or email it to careers@senseker.com

*This position requires work on projects which are protected under US ITAR laws, consequently, only US Persons will be considered for this position by law. For this purpose, the term "US person" means an individual who is a citizen of the United States, a lawful permanent resident alien of the US (e.g., a "Green Card" holder), a refugee, or someone in the US as a protected political asylee, or under amnesty.

Senseker Engineering Inc. is an equal opportunity employer and considers qualified applications for employment without regard to sexual orientation, gender identity, gender expression, race, color, sex, creed, religion, national origin, age, disability, veteran status, or any other protected class.