



Senior Mechanical Design Engineer – Solid Works

Are you experienced in complex precision system design and ready to take your career to the next level? Are you a pro at Solid Works? Are you looking for a town with access to outdoor recreation and houses are affordable?

Four Nine Design is a dynamic, fast-growing company providing innovative cryogenic products for the quantum physics research. See our products at www.fournineproducts.com.

We're located in the beautiful Rocky Mountains in Billings, Montana. We've got great access to skiing, hiking, camping, hunting, fishing - without the crowds! Billings is a professional town with a university (MSU Billings), great restaurants, breweries, symphony, concerts, and family activities. Come live in Big Sky country with a driven, groundbreaking, authentic team.

Position: We are looking for a full-time, ambitious, confident, and motivated mechanical engineer to join our customer facing design team. This person will work directly with the end user to develop concepts and converge on a final design. This engineer will then release the design to manufacturing, build, test, and organize a successful delivery and installation of the product.

Key Responsibilities:

- Develop cryogenic system components from initial concept through engineering analysis, 3D modeling and design, to final manufacturing drawing creation.
- Work in a cross functional team with manufacturing vendors and in-house machine shop to build released designs according to machining tolerances and secondary processes specifications.
- Manage projects to completion ensuring the highest level of quality and on time delivery to customers.
- High level understanding of design for manufacturing.
- Contribute to continuous improvement in engineering and manufacturing processes.

Required Qualifications:

- BS in Mechanical Engineering or Physics. If Physics, must show heavy mechanical design background and experience.
- Three to five years of mechanical design engineering experience and/or experience designing cryogenic vacuum systems.
- Minimum of three years' experience with Solidworks design, assembly, and drawings.
- Motivated, self-driven, organized.
- Strong interpersonal and communication skills.
- Previous experience working in manufacturing company.
- Willing to travel nationally and internationally (<5%).

To apply, please send your resume and short bio to coral@fournineproducts.com.



Preferred Qualifications:

- Experience/familiarity with precision machining and machine tools (lathes, vertical mills, drill presses, etc.)
- Electrical skills, such as soldering, wiring, enclosure design. Also, a foundational understand of basic circuits.
- Experience with Python scripting language.

Salary and Benefits:

- Salary Range \$60,000 to \$100,000 depending on experience and education.
- Retirement Plan/Paid Vacation and Holidays.

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