



Position: **Mechanical Design Engineer**

Reliant Systems, Inc. is a vertically integrated designer and manufacturer of high precision linear and rotary positioning stages. We specialize in custom, easy to integrate OEM motion assemblies that have been designed for a customer's specific application. Our positioning stages are found in metrology, inspection, and production tools used in the semiconductor, data recording, medical device, and laser machining industries.

Job Description

As a Mechanical Design Engineer, you will develop new electro-mechanical motion control devices with sub-micron precision. You will be responsible for designing precision motion stages in 3D CAD software, generating models and drawings, performing analysis, simulations, and studies. The Mechanical Design Engineer will also assist with prototyping and production builds. Successful candidates must be able to design linear and rotary systems across a range of sizes and performance specifications.

Basic Qualifications

- Bachelor's Degree in Mechanical, Mechatronics Engineering, or related field
- 2+ years of experience applied to mechatronics systems
- 2+ years of experience with mechanical design as it relates to electro-mechanical assemblies

Additional Qualifications

- Experience with FEA
- Experience with linear or rotary electro-mechanical actuator design
- Demonstrated ability to translate system requirements into Mechatronics solutions
- Excellent mechanical aptitude
- 3D CAD experience, SolidWorks preferred
- Excellent written/verbal communication and organizational skills
- Established engineering knowledge in the application and development of analytical solutions to complex engineering problems
- Discipline and creativity in applying skills to work assignments and projects
- Minimum supervision necessary in solving complex engineering problems
- Demonstrate good leadership skills with experience in teamwork and team building
- Ability to work with and read precision hand tools. Examples include: digital or dial calipers, digital or dial micrometers, electronic or dial indicators, and torque wrenches
- Excellent mechanical aptitude with good understanding of machine design, motion control, metal fabrication and finishing

Benefits: Healthcare, Dental, 401k with up to 4% company match, Paid Holidays & PTO

12641 Fremont Avenue / P.O. Box 349, Zimmerman, MN 55398
Phone: (763) 856-8300 / Fax: (763) 856-8301 / E-mail: jnemeth@reliantsystemsinc.com
www.reliantsystemsinc.com

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