



7815 Silverton Avenue, Suite 2  
San Diego, CA 92126  
858.259.1220 / 858.259.0123 fax  
www.rasirc.com

**Position: Mechanical Engineer II**  
**Reports to: Engineering Design Manager**  
**Salary: \$50,000 - \$100,000**  
**Date: May 2023**

**RASIRC** is a high growth company with award winning patented products that purify and deliver ultra pure liquids and gases for the semiconductor and related markets. Our team of industry experts has a proven track record of beating larger competitors to market by efficiently delivering state of the art technology that reduces cost, improves quality, and dramatically improves safety. In addition to the challenge and excitement of working where your contributions make a difference **RASIRC** offers a competitive salary and benefits.

**Summary:** At RASIRC, our mission is to transform condensables into Dynamic Vapors that enable process advancements in semiconductors and adjacent markets. We are a growing company and are searching for someone to help implement the company's vision, enabling transformative growth. The ideal candidate for Mechanical Engineer II will design, model, develop, and document mechanical and electromechanical solutions for both new and sustaining products. Work with international customers, R&D, and marketing professionals to develop whole product technical solutions to solve state-of-the-art problems in next generation semiconductor technologies.

**Job Responsibilities:**

- Design, develop, manufacture, analyze, test, and document mechanical and electromechanical systems.
- Design work includes mass transfer, heat transfer, mechanical design, hardware integration, and manufacturability for product development, automated test fixtures, risk, and failure analysis.
- Work with mechanical, chemical, electrical, and software engineers to ensure that systems are accurately modeled, manufactured, tested, documented, and meet product requirement specifications.
- Utilize SolidWorks to generate part and assembly models and drawings for design reviews, manufacturing, and ECOs (engineering change orders).
- Planning and developing timelines to meet deadlines.

**Required Qualifications and Skills:**

- Education: Requires Bachelor's or Master's degree in Mechanical Engineering.
- Citizenship: RASIRC does not assume the responsibility to sponsor employees, US citizenship or Permanent Resident Certificate (Green Card) is required for this job.
- Minimum 4+ years of related work experience
- Minimum 4+ years SolidWorks experience
- Understanding of heat transfer, mass transfer, and process piping



7815 Silverton Avenue, Suite 2  
San Diego, CA 92126  
858.259.1220 / 858.259.0123 fax  
[www.rasirc.com](http://www.rasirc.com)

- May require working with hazardous gases and the ability to physically control RASIRC-designed hazardous equipment.
- Ability to work in class 1000 or better cleanrooms with required cleanroom attire.
- Ability to lift 35 lbs.
- Ability to travel as needed.

This is an outstanding opportunity for a highly motivated individual to grow in a dynamic and fast paced development environment. Come and join a team that is changing the solar and semiconductor industry. For consideration, please submit your resume. EOE