



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

Position: Mechanical Engineer

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 competitive salary and benefits.

Position Summary:

Design, development, analyze 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 semiconductor, display, and solar next generation technologies.

Job Responsibilities:

- Solving multidisciplinary problems for next generation products
- Design, develop, analyze and document mechanical and electromechanical subsystems for all Rasirc products; Model products as required to refine control algorithms.
- Design work to cover fluids, mass transfer, heat transfer, mechanical design, hardware integration, evaporation and humidification, chemical vapor delivery, and understanding customer processes.
- Work with chemical, electrical and software engineers to ensure that all systems are properly integrated; work with all departments to improve product price, performance, manufacturability, reliability, serviceability, and overall quality; and generate preliminary SolidWorks models and assembly drawing when required.
- Proactively investigate ways to improve current products through product redesign, improved manufacturing processes, product documentation and manufacturing instructions, development of automated test fixtures, and failure analysis in house and in the field.
- Validate designs by running engineering tests and document with engineering reports.
- Possible work with hazardous gases and liquids.

Qualifications and Requirements:

- Requires a minimum of a Bachelor's in Mechanical Engineering.
- 2 year of modeling software experience (SolidWorks preferred).
- 2 years of related work experience
- Excellent communication skills.



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- May require working with dangerous and/or toxic gases and the ability to physically control RASIRC designed hazardous equipment.
- Experience with hazardous chemistry is a plus.
- Understand heat transfer, mass transfer and process piping ability to work hands on with gases, liquids, and heaters.
- Ability to design, build and run tests.
- Ability to work in class 1000 or better cleanrooms with required cleanroom garb.
- Ability to lift approximately 35 lbs.

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 resume. EOE