



About ARRADIANCE

Founded in 2003, Arradiance combines unique talents in material science, charged particle physics, equipment design, modeling, simulation, vacuum technology, and metrology providing world class application of Atomic Layer Deposition (ALD) and Plasma Enhanced Deposition (PEALD) equipment and Foundry services.

To continue our track record of growth, we are seeking a highly skilled **Mechanical Design Engineer** to join our team. As a key team member you will be designing, developing, and delivering ALD capital equipment solutions that enables technologies across markets around the world. We welcome applications from technically skilled engineers who are ready to take their career to the next level and meet all requirements below.

Job Description: Mechanical Design Engineer, R&DE

Employment Type: Full-Time – This is an in office on-site position

Location: Littleton, MA

Travel: Travel may involve business trips to customers and collaboration partners

How will you make an impact

- Design and build 3D models for testing, proof-of-concept, and functional modelling
- Build, test, troubleshoot, and evaluate prototypes to show functionality and improve design
- Create, manage & maintain comprehensive CAD & mechanical documentation for all products
- Find, evaluate and integrate 3rd party suppliers' parts into prototypes and production systems
- Review, evaluate, and prepare technical recommendations for the approval of technical specifications, manuals, and purchasing specifications
- Set quality standards and uphold specifications on all purchased components
- Write and update engineering documentation (Bill of Materials, Drawings, Specifications)

Education

Preferred BS/MS degree in Mechanical Engineering

Experience and Skills

- 3+ years hands-on experience in Mechanical design, validation and testing from Prototype to Production
- Expert in CAD (SOLIDWORKS), GD&T and 3+ years' experience with professional use
- Experience in electromechanical systems, pneumatics, vacuum and thin film applications
- Strong working knowledge of automation, FEA, CFD, thermal, flow, and structural simulation software
- Ability to draft and interpret complex mechanical drawings for production use
- Excellent organization and communication skills for collaborating with stakeholders on new projects

Physical Requirements

- Work involves frequent periods of sitting, standing, walking, stooping, kneeling, crouching, twisting/turning, reaching, bending at the waist and infrequently climbing ladder
- Must be able to lift, carry and frequently push and/or pull at least 25-50 pounds or up to 200 pounds with assistance

As part our team you'll enjoy

- A dynamic and collaborative work environment with a multicultural and highly educated team
- Competitive compensation package including exceptional benefits (401K, medical, dental, bonus program, etc.)
- Application knowledge of ALD (Atomic Layer Deposition) and numerous other technologies
- Potential for rapid career development alongside a well-established and growing team
- Working with world-class big company talent, with the work life balance of a small company

Please get in touch with us!

- Arradiance is an equal opportunity employer. Send your resume and a brief cover letter to HumanResources@Arradiance.com