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## Sr. Designer

Location: **Minneapolis, MN**

Department: **Research & Development**

Employment Duration: **Full Time Regular**

FLSA Status: **Exempt**

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## Description

**AtriCure, Inc.** is a medical device company and a leader in developing, manufacturing and selling innovative cardiac surgical ablation systems designed to create precise lesions in cardiac tissue for the treatment of atrial fibrillation, or AF, and systems for the exclusion of the left atrial appendage. Cardiothoracic surgeons are adopting AtriCure's ablation products for the treatment of AF during concomitant open-heart surgical procedures and sole-therapy minimally invasive procedures. AF affects more than 33 million people worldwide and predisposes them to a five-fold increased risk of stroke. The FDA has not cleared or approved certain AtriCure products for the treatment of AF or a reduction in the risk of stroke.

## Position Summary:

The Senior Designer is responsible for the design and development of new medical device products and product improvements. This position will report to the Director of Project Management in Product Development. Other responsibilities include the creation and maintenance of 3D CAD models and documentation, design analysis, material research, prototype design, building and testing,

design of gages and fixtures, manufacturing support and interface with the product development team.

### **ROLES AND RESPONSIBILITIES:**

- Design/Development of medical products and product improvements
- Creation and maintenance of 3D CAD models, assemblies, and prints
- Management and use of CAD data management tools
- Compliance to the AtriCure Quality System and company policies
- Performing engineering analyses such as:
  - Mechanism design and analysis
  - Part fit and tolerance analysis
  - Design for manufacturability validation
- Collaborate with suppliers in the design and procurement of development components
- Supporting manufacturing validation
- Facilitating the creation of design standard practices within the company

### **BASIC QUALIFICATIONS:**

- AS degree in Mechanical Design, Engineering Drafting, or equivalent
- Basic understanding of mechanics and dynamics
- Demonstrated creativity and proficiency in design of complex assemblies
- 2 years of experience in advanced modeling and document creation using Solidworks CAD
- Proficiency in advanced GD&T and tolerance analysis
- Knowledge of general prototyping and manufacturing technologies, including:
  - 3D printing
  - Injection molding processes
  - Low to medium volume manufacturing processes
- Strong computer/data entry, report writing, and verbal communication skills
- Problem solving/trouble shooting experience

- Ability to read and understand technical specifications and drawings

**PREFERRED QUALIFICATIONS:**

- Bachelor's degree in a technical field of study
- 5 years of experience in advanced modeling and document creation using Solidworks CAD
- Advanced knowledge in GD&T and tolerance analysis
- Experience in design of complex medical device assemblies
- Experience collaborating with suppliers in the design and procurement of development components
- Experience in performing stress analyses with finite element analysis tools
- Expertise in general prototyping manufacturing technologies
- Experience with Adobe Illustrator in document creation
- Experience with inspection/testing and data analysis
- Human Factors and Industrial Design experience

**ESSENTIAL JOB FUNCTIONS:**

- Regularly walk, sit, and stand
- Occasionally bend and push/pull
- Regularly lift up to 25 pounds, occasionally lift over 25 pounds
- 10% travel possibility
- Position dependent upon candidate passing pre-employment physical/drug screen

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, age, protected veteran status, status as an individual with disability, sexual orientation or gender identity.

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**Agency and Third Party Recruiter Notice:**

Agencies that submit a resume to AtriCure must have a current Agreement in place, executed by a member of the Human Resource/Recruiting Department. In addition agencies may only submit candidates to positions for which they have been invited to do so by one of our Recruiters or Recruiting Managers. All unsolicited resumes sent to us will be considered property of AtriCure and AtriCure will not be held liable to pay a placement fee.

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AtriCure, Inc. is a medical device company providing innovative atrial fibrillation (Afib) solutions designed to produce superior outcomes that reduce the economic and social burden of Afib.

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