



Boston Living Wage Posting
February 9, 2022

Mechanical Engineer

Peabody, MA

We are looking for a creative Mechanical Engineer to collaborate with our team to design, assemble and test prototype components to aid in the development of NMR Probes. This involves design, fabrication, modification and evaluation of mechanical and electromechanical apparatus, components and processes with the goal of fabricating mechanical components of innovation and excellence.

Responsibilities

- Designs, assembles, and tests prototype components to aid in the development of new products
- Plan, organize and conduct technical projects within the design, fabrication, modification and evaluation of mechanical and electromechanical apparatus, components and processes
- Design NMR probe circuitry based on inductive or capacitive circuitry
- Alter and modify design to meet requirements and to eliminate malfunctions
- Conduct experiments methodically, analyze data, and interpret results
- Test and evaluate theoretical designs to identify, formulate and produce effective solutions to emerging problems
- Build NMR coils
- Maintains a knowledge and an awareness of developments in the NMR industry

Skills

- BSc degree in Mechanical Engineering and ability to analyze, evaluate, and assess complex, interactive mechanical components
- Hands-on experience with basic machine tools for prototyping etc. milling, engraving machines, lathe, drill press, band saw, and soldering
- Experience with radio frequency, cryogenic and vacuum equipment, and familiarity with 2D or 3D engineering design and manufacturing tools (e.g., AutoCAD, ProE or other)

- Creativity and analytical skills along with an understanding of core concepts including mechanics, kinematics, thermodynamics, materials science

About JEOL

Since 1949, the JEOL legacy has been one of providing solutions for innovation. JEOL positively challenges the world's highest technology, forever contributing to the progress in both Science and Human society through its products. We have 60 years of expertise in the field of electron microscopy, more than 50 years in mass spectrometry and NMR spectrometry, and more than 40 years of e-beam lithography leadership. The primary business of JEOL USA is the sales of new instruments and peripherals and support of scientific instruments throughout the United States, Canada, Mexico, and South America.

Amazing Benefits

- 401K plan with a company match and company contribution
- Professional development and advancement opportunities
- Tuition Reimbursement
- Exceptional medical, dental and vision insurance

To Apply

- Complete an online application at **www.jeolusa.com/careers**

To gain insight about what it's like to work at JEOL please view our employee videos at <http://www.jeolusa.com/ABOUT-US/Career-Opportunities/Working-at-JEOL>

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EOE/Minorities/Females/Vet/Disabled