



**Boston Jobs & Living Wage Posting
February 9, 2022**

Probe Engineer

Performs advanced mechanical engineering work of major complexity, under general supervision, requiring a high degree of technical competence

Performs HFSS, thermal, mechanical and circuit simulations to analyze complex components

Designs, assembles, and tests prototype components to aid in the development of new products

Plans, organizes and conducts technical projects within the design, fabrication, modification and evaluation of mechanical and electromechanical apparatus, components, and processes

Conducts theoretical calculations and analysis of project design and performance; recommends modifications in technical application as necessary

Verifies and validates designs

Redesigns NMR probe circuitry as necessary based on inductive or capacitive circuitry

Qualifications

Bachelor's degree in Mechanical engineering and/or science from an accredited college or university plus three to five years' related experience and/or training; or equivalent combination of education and experience.

Knowledge and experience with basic machine tools for prototyping etc. milling, engraving machines, lathe, drill press, band saw, and soldering is required.

Experience with radio frequency, cryogenic and vacuum equipment preferred.

Solid mechanical understanding, ability to analyze, evaluate, and assess complex and interactive mechanical components.

What we offer:

- Competitive financial compensation
- Comprehensive medical, dental and vision insurance
- 401k match and company contribution
- Educational assistance and professional development
- Company paid life insurance and disability insurance
- Generous paid vacation, sick, family sick, personal, and community service benefits

About JEOL

The JEOL legacy has been one of outstanding innovation in developing instruments used to advance scientific research and technology. JEOL has 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. JEOL USA, Inc., a wholly-owned subsidiary of JEOL Ltd. Japan, was incorporated in the United States in 1962. The primary business of JEOL USA is sales of new instruments and peripherals and support of a vast installed base of instruments throughout the United States, Canada, Mexico, and South America.

How to Apply

Qualified candidates are encouraged to apply online at **www.jeolusa.com/careers**. Applicants that need an accommodation to apply should email hrjobs@jeol.com. To learn more about our culture and work environment view employee videos at <http://www.jeolusa.com/ABOUT-US/Career-Opportunities/Working-at-JEOL>

JEOL USA, Inc. is an Affirmative Action/ Equal Opportunity Employer and all qualified applicants will receive consideration without regard to race, color, religion, sex, sexual orientation, gender identity, or expression, pregnancy, age, national origin, disability status, genetic information, protected veteran status, or any other characteristic protected by law. Applications from minorities, females, protected veterans, and individuals with disabilities are strongly encouraged.

EOE/Minorities/Females/Vet/Disabled