

Mechanical Engineering position at miniPCR

About miniPCR

Our mission at miniPCR is to foster a scientifically literate society. We create new markets by designing top quality hardware that is easy-to-use, portable and affordable. We broaden the reach of DNA analysis and other technologies to scientists, educators and the DNA curious.

Mechanical Engineer

We are looking for a talented mechanical engineer to join miniPCR in Allston, MA. The position offers the opportunity to work on a wide array of projects including design and development of new products, changes and updates to current products, investigations of quality or manufacturing issues, and vetting new technologies for design and manufacturing. You will get to work on miniPCRs expanding product portfolio including DNA amplification instruments, and will deal with a variety of technologies to create test systems that are safe, reliable and intuitive.

Responsibilities

- Define and design mechanical systems, including mechanism layouts, thermal management features, and enclosures
- Identify the appropriate manufacturing materials and processes for all components, and modify design to accommodate the relevant manufacturing requirements
- Work with the manufacturing partners throughout the design process to ensure a smooth transition into production
- Collaborate with electrical engineers to ensure proper electro-mechanical integration
- Develop manufacturable solutions while maintaining usability and aesthetic requirements
- Knowledge of surface modeling techniques
- Meticulous project documentation

Requirements

- B.S. or M.S. in Mechanical Engineering or equivalent
- 2+ years experience with product development (consulting environment preferred)
- Demonstrated proficiency with CAD
- Track record of integrating electronics in mechanical assemblies

Email cover letter, resume and portfolio to team@minipcr.com