

Medical Device Engineer

Nanomix is the leader in the development of mobile, affordable point-of-care diagnostics. We offer a handheld testing platform and assays that provide rapid, accurate, quantitative information for use in settings where time-to-diagnosis is critical to clinical decision making and improved patient care. Our goal is to expand access to quality health care by bringing diagnostics to the point of initial patient interaction, whether in the hospital or in pre-hospital, remote, or alternative settings.

The Nanomix system consists of a handheld instrument and an integrated, self-contained assay cartridge with a proprietary biosensor. We are seeking an experienced, hands-on, self-driven engineer to support and enhance our eLab handheld diagnostic analyzer.

About You

- Creative self-starter
- Experience with compact, complex electromechanical devices
- Strong commitment to DFM
- Able to analyze and solve problems in an efficient and disciplined fashion
- Enjoy working in a collaborative, cross-disciplinary team environment
- Strong knowledge of SolidWorks (preferred), or similar package
- Experience with contract manufacturing highly desirable
- Familiarity with Python would be a bonus!

What You'll Do

- Monitor, evaluate and enhance reliability and manufacturability of our (class II) hand-held diagnostic instrument
- Manage controlled design changes of critical instrument components
- Lead root-cause analysis of issues and implement fixes
- Partner with Product Development on future versions of the instrument including data communication capabilities, expanded assay multiplexing, and enhanced assay detection methods.
- Interface with distribution partners in US and Asia as needed to provide high quality products and excellent service to our customers, and to gather customer feedback for product improvements
- Define and implement customer support for the instrument including: developing effective problem diagnosis and test procedures; identifying key subassemblies and parts needed to support instrument service; and establishing a depot repair model
- Provide technical communications to our Contract Manufacturer in the US

Education and Experience

- BS or MS Mechanical Engineering, Bioengineering
- 5+ years of work experience; medical device experience highly preferred
- Exposure to regulated product development (FDA/CE) strongly desired
- Experience in a start-up company environment is a plus