

Mechanical Design Engineer

TechLab, Inc. develops, manufactures and distributes medical diagnostic tests. Our company places emphasis on science and collaboration with Universities. We are looking to add a **Mechanical Design Engineer** to our Equipment Maintenance team. The Mechanical Design Engineer will use CAD software to revise or improve components used in TechLab kits, design mechanical items to improve machine operation, and design revisions to existing or new equipment.

An employee in this position can expect to perform the following duties:

- Manage project time lines and details from design through fabrication to meet target deadlines
- Work with Equipment Maintenance and Production Department to identify equipment with opportunities for improvement
- Utilize Solid Works® CAD software for designing new system components, custom manufacturing equipment or make revision to existing manufacturing equipment
- Utilize Solid Works® CAD software to create build of materials list and blue prints needed for each project.
- Source vendors for procurement of components or process needs: water jet, laser, CNC milling, Fusing, 3D rapid prototyping, thermal printing, Injection molding or casting.
- Work with research scientists for designing new or revising existing Injection molded, blow molded, pressed, thermos-formed components used in TechLab products
- Assist with new equipment installation, startup, validation or revalidation of manufacturing equipment
- Assist with investigations for defective raw materials resulting from manufacturing equipment error and vendor defects.
- Assist with preventative maintenance and repair of machines, as needed
- Generate and revising equipment standard operating procedures
- Keep up to date with ISO:13485, 21 CFR 820 and other applicable regulations as identified

TechLab offers a competitive salary with excellent benefits. This position requires candidates to possess a combination of the following education and experience:

BS degree in Mechanical Engineering + 2 years of Mechanical Engineering experience; OR
Associates Degree in related Engineering field + 5 years of Mechanical Engineering experience; OR
High School Diploma or equivalent + 10 years of experience with Certified Apprenticeship in Mechanical Engineering

A strong working knowledge of Solid Works® CAD is a must as well as experience with micrometers, gauges, calipers and measurement tools. Degrees, certifications, and personal references detailing training within these areas will be closely evaluated.

Interested candidates should send a resume to careers@techlab.com, Blacksburg, Virginia 24060. EOE.