



**Contact:** Terry McCarthy  
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**Position:** Mechanical Engineer Manager  
**Department:** Engineering  
**Supervisor:** CTO  
**Industry:** Medical Device  
**Location:** Irvine, CA

### **Company Overview:**

Our client is an early stage company located in Irvine, CA that is pioneering breaking technology to enable kidney dialysis to be performed at home.

### **Job Description:**

We are looking for a Mechanical Engineering Manager to lead the mechanical engineering team in the development of the device. We are looking for a driven and hands-on engineer able to lead mechanical designs from conceptualization to manufacturing, as well as someone who can lead a team of mechanical engineers, contractors and outside design services. Experience in plastic disposable medical equipment, as well as electromechanical components including sensors, pumps, actuators, enclosures and housings is important.

### **Essential Duties and Responsibilities:**

- Lead a team of mechanical engineers in the design and development of all mechanical components.
- Work with outside vendors to design custom components for the application and identify and manage outside contractors for additional assistance.
- Responsible for the project management of mechanical design.
- Help select and design electromechanical components including pumps, valves and heaters.
- Review and create design output documents including drawings and specifications.
- Create control systems (setting PID loops) for the control of electromechanical components
- Sensor selection including pressure, temperature, flowrate, and conductivity
- Machine layout and design.
- Device enclosure design.

**Qualification Requirements:**

- At least 15 years of relevant experience
- Bachelor's degree in Mechanical Engineering.

**Experience and Required Skills:**

- Medical device product development experience is a must
- CAD experience a must
- Experience leading a team
- Demonstrated ability to lead a cross-functional project
- Ability to diagnose problems and offer solutions.
- Ability to think through requirements and create specifications to drive the selection of components
- Good written and verbal communication skills

**Knowledge & Abilities:**

- Manufacturing processes including sheet metal fabrication, injection molding, machining and thermoforming
- Disposable design experience and manufacturing a strong plus
- Prototyping methods and materials including 3D printing, cast urethane molding and rapid casting

*The duties listed in this job description are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related, or a logical assignment to the position.*