

JOB DESCRIPTION

Position: Mechanical Design Engineer

Reports to: VP Sales

Classification: Exempt

Mission:

The Mechanical Design Engineer possesses an understanding of system engineering processes and ensures that fluidic components, modules, and subsystems are successfully integrated into life science instrumentation products (e.g. gene sequencing, hematology).

Key Responsibilities and Accountabilities

- Expand, support and initiate long term technical relationships with key OEM customers
- Manage OEMs by providing custom design of innovative solutions, technical support, validation testing and reports, and maintaining ongoing communications
- Work with NPD engineering in the development of new and/or revised product according to customer requirements
- Manage the transition of new or customized products into manufacturing
- Provide timely reports summarizing findings on a given product, project or territory
- Provide technical training of customers in products, applications, and best practices as required
- Assist and train sales team in adapting current and new products to customer need and satisfaction
- Create custom costing and life cycle validation data to support products as required
- Investigate market needs for innovative products and communicate them to NPD engineering for product development
- Other duties as assigned.

Qualifications:

- Bachelor's Degree required in Bio Medical or Mechanical Engineering
- 2 – 5 years experience
- Strong verbal and written communications skills
- Product Design or Support experience
- Project Management and Leadership Skills
- 3D CAD experience
- Ability to work independently

Preferred Qualifications:

- Technical Knowledge and experience with fluid systems and components
- FEA, Fluidics, and Thermal Analysis
- Experience with IVD and/or analytical chemistry instrumentation

- Experience with piston pumps, diaphragm, and/or pinch valves
- Regulatory experience (FDA, UL, CSA, CE)
- Experience working in the medical manufacturing environment
- Electrical background in control and/or sensor implementation

Supervisory Responsibility

This position has no direct supervisory responsibilities at this time, but the desire to advance into management is preferred.

Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

While performing the duties of this job, the employee is regularly required to sit or stand. The employee is frequently required to use hands to finger, handle, or feel objects, tools, or controls and to climb or balance. The employee is occasionally required to walk; reach with hands and arms; stoop, kneel, crouch or crawl; and talk or hear.

The employee must be able to lift and move up to 25 pounds. Specific vision abilities required by this job include close vision, peripheral vision, depth perception and the ability to adjust focus.

Position Type/Expected Hours of Work

This is a full time position. Days and hours of work are Monday through Friday 8:00 am – 5:00 pm or as determined by project needs.

Travel

This position requires 20% - 30% travel.

Other Duties

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities and activities may change at any time with or without notice.

 Manager (Print Name)

 Manager (Signature)

Employee signature below constitutes employee's understanding of the requirements, essential functions and duties of the position.

 Employee (Print Name)

 Employee (Signature)

 Human Resources