



# Sr Principal Mechanical Engineer

## Location: Orange County, CA

### COMPANY OVERVIEW

BVI® is a global ophthalmic medical device manufacturer with a mission to deliver high quality solutions and innovation for advancing eye surgery and improving the vision of patients. With nine decades of developing leading products and solutions, BVI partners with ophthalmic surgeons to improve the vision of millions of patients across the globe. Our team supports surgical teams, in more than 115 countries worldwide, either directly or through our network of trusted distributors. Our trusted brands include: Beaver® (Knives and Blades), Visitec® (Cannulas), Malosa® (Single-Use Instruments), Vitreq® (Vitreoretinal Surgical Products) and PhysIOL® (Premium Intraocular Lenses).

### PURPOSE

Responsible for the design and development of mechanical systems and products for ophthalmology surgical devices.

### RESPONSIBILITIES

- Design and develop medical device components, sub assemblies and systems as well as associated test and fabrication fixtures
- Create clear product requirements to translate into designs. Leads design reviews
- Identify and mitigate design and product risks
- Define test methods and conduct testing of complex mechanical systems
- Lead product development activities such as prototyping/testing, pilot builds, verification & validation activities, and risk assessment
- Interface with internal and external suppliers, manufacturers, and customers
- Provide technical guidance and recommendations both internally and externally
- Generate detailed drawings while applying GD&T and perform tolerance analysis of complex assemblies
- Work collaboratively with project teams (ie EE, SW, Regulatory, Manufacturing, and Quality) at all stages of development
- Ensure regulatory, statutory, and, legislative compliance



### **REQUIRED KNOWLEDGE, SKILLS AND ABILITIES**

- Knowledge of applicable materials, manufacturing methods and engineering industry standards and specifications, to ensure team awareness and compliance
- Full understanding of Design Control
- Knowledge of ISO, regulatory and legislative standards applicable to the development of medical devices
- High level of proficiency in CAD for mechanical design
- Effectively utilize problem solving skills and techniques to identify potential issues, assess their impact, and develop and implement mitigation and resolution plans and activities
- Proven ability to lead design teams
- Excellent interpersonal and communication skills with all levels of associates, management and external partners

### **MINIMUM REQUIRED EDUCATION AND EXPERIENCE**

- Bachelor's Degree or equivalent years of directly related experience (or high school+15 yrs; Assoc.+14 yrs; M.S.+7 yrs; PhD+6 yrs)
- 10 Years of Medical Device Experience
- Fluent English

### **PHYSICAL REQUIREMENTS**

- Extensive use of keyboard requiring repetitive motion of fingers.
- Extensive use of telephone and face-to-face communication requiring accurate perception of speech.
- Regular sitting for extended periods of time.
- Expected travel is 30%

Interested? Submit a cover letter and C.V.  
to [TalentAcquisition@bvimedical.com](mailto:TalentAcquisition@bvimedical.com)



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*The above information on this description has been designed to indicate the general nature and level of work performed by employees within this classification. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities and qualifications required of employees assigned to this job.*

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