



## PRODUCT DEVELOPMENT ENGINEER

### **The Job:**

The Product Development Engineer: A position for a self-starter requiring minimal supervision who is interested in orthopedic design. The purpose of this position includes taking a role in design, quality, and manufacturing. TJO needs an engineer that can produce both the designs and documentation for knee & hip implants and associated surgical instrumentation. As a product development engineer you will need to be able to communicate ideas, concepts, designs and requirements to a wide range of audiences including surgeons, engineers, sales & marketing and manufacturing.

### **The Basics:**

- Obtain product design inputs from customers and review them with the team. Conduct product design verification testing for regulatory compliance standards, engineering principles, customer requirements, and related specifications.
- Work with the knee design team to create, maintain and execute the knee project plan.
- Execution of the project plan will include implementing design verification testing through the use of feasibility tests or verification protocols and report as assigned by the design team.
- Coordinate preparation and completion of project deliverables, design documents, solid models, drawings, and device master file record packages
- Provide mentoring to any team members that need help with SolidWorks, design and manufacturing questions, or orthopedics.
- Use CAD to create models and production drawings for both implants and instruments.

### **What We Need:**

The following competencies are required for the position:

- Bachelor's degree in Mechanical or Biomedical Engineering from a four year college or university, or equivalent combination of education and experience in orthopedic design.
- Two to five (2-5+) or more years industry experience in the medical device product development involving aspects of design, quality or manufacturing -- preferably all three.
- Familiarity with regulatory requirements to create and execute the required project plan to get a primary total knee replacement system ready for 510(k) submittal to the FDA.
- Sincere interest in the medical device business with a goal to develop new hip and knee products.
- Self-starter mentality requiring minimal supervision to accomplish assigned tasks.
- The ability to adapt to customer, organizational, business, and external influences with integrity, immediate consideration, and action to meet business objectives.
- Flexible and patient attitude towards challenges, such as design and scope changes, helpful to have had experience in a start-up environment
- Excellent CAD modeling/drawing creation skills; SolidWorks preferred.



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### **Who we are:**

Start-up? Absolutely. New on the scene? Hardly. Our founders share over 100 years of orthopedic industry experience (but don't feel a day over 35). We make high quality, low cost implants for the global market, and at the end of the day, we give back what we've made. A portion of our profits go to Operation Walk, an organization dedicated to providing free surgical care and medical education to developing countries.

### **What you'll get:**

A competitive salary. Health benefits, retirement, stock options. A flexible work environment. A voice. Each member of our team is a valued contributor working toward a common goal: affordable healthcare, worldwide.

### **Where we live/work/play:**

A temperate valley at the base of the finest mountains the world has to offer. Our office is 20 minutes from seven world-class ski resorts (you can catch another three if you're willing to drive a little farther). We enjoy over 300 days of sunshine to ski, snowboard, hike, climb, bike, golf, fish, boat, and sightsee. Year round.

### **Apply to:**

totaljointortho@gmail.com

or

Total Joint Orthopedics, Inc. 1567 E. Stratford Avenue, Salt Lake City, Utah 84107, (o) 801-486-6070