



Job Description

JOB TITLE: Sr CAD Designer	
BUSINESS DIVISION: WishBone Medical	Status: Full-time
DEPARTMENT NAME: Product Development	Type: Exempt
PREPARED BY: Human Resources	DATE: 09/01/19

- **SUMMARY:** The position is responsible for design of surgical instruments (single-use and reusable), implants, and packaging, as well as the creation of related drawings and engineering specifications. WishBone Medical is a small start-up and this position will provide an opportunity to make a difference for the company long-term.

ESSENTIAL DUTIES AND RESPONSIBILITIES (include the following. Other duties may be assigned.)

- Design of surgical instruments (single-use and reusable), implants, and/or packaging including conceptual design and CAD models developed from design inputs.
- Generate innovative concepts for new medical device designs to satisfy clinical requirements. Participate in concept generation activities, including brainstorming sessions.
- Develop CAD models and drawings of surgical instruments (single-use and reusable), implants, and/or packaging. Includes component, subassembly, and top-level drawings.
- Perform and document tolerance analysis of components and assemblies to ensure proper fit and function based on current design inputs.
- Participate in Design Reviews and related project meetings where CAD designs and/or drawings, as well as pertinent design inputs and concepts, are reviewed.
- Ensure that all work satisfies the requirements of the company's Quality Manual, with particular emphasis on Document and Record Control.
- Prepare documentation release packages, including detail drawings, bills of material. Approve Engineering Change Orders (ECOs) and obtain approvals from others as required.

SPECIALIZED KNOWLEDGE AND ABILITIES

- Flexibility in dealing with more than one project at a time
- Ability to meet deadlines
- Self-starter, dependable, and team-oriented
- Skilled in PC usage and associated software including Microsoft Office suite
- Able to generate models and drawings from sketches and specifications
- Knowledgeable of standard drafting practices and procedure
- Capable of working in fast-paced team environment
- Excellent attention to detail

QUALIFICATION REQUIREMENTS

Candidate should have at least 7-10 years experience designing surgical devices – including implants, and instruments – using Siemens NX (preferred), SolidWorks, or similar CAD software. Candidate should possess an understanding of principles and application of GD&T for drawings. Ideal candidate will have first-hand knowledge and/or experience related to common manufacturing processes.

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. Reasonable

accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to sit and talk or hear. The employee frequently is required to stand; walk; and use hands to finger, handle, or feel objects, tools, or controls. The employee is occasionally required to reach with hands and arms. The employee must occasionally lift and/or move up to 20 pounds.

WORK ENVIRONMENT: Teammate will normally work in an office environment but may occasionally be subject to noise levels from machines in a manufacturing environment.

TRAVEL REQUIREMENTS: Up to 5% long-distance travel (i.e. by plane).

REVIEWED AND APPROVED BY:

<i>HUMAN RESOURCES MANAGEMENT</i>	<i>Associate</i>
NAME:	NAME:
TITLE:	TITLE:
REVIEW DATE:	REVIEW DATE:

The above description is intended to describe the general content, identify the essential functions of, and requirements for the performance of this job. It is not to be construed as an exhaustive statement of duties, responsibilities or requirements.