



Job Description

JOB TITLE: SR CAD DESIGNER	
BUSINESS DIVISION: WISHBONE MEDICAL INC	Status: FULL-TIME
DEPARTMENT NAME: NEW PRODUCT DEVELOPMENT	Type: EXEMPT (SALARY)
PREPARED BY: HUMAN RESOURCES	DATE: 2/11/2021
WORK LOCATION: CORP - WARSAW	REPORTS TO: DIRECTOR OF PRODUCT DEVELOPMENT

SUMMARY: The position of Senior CAD Designer 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.

QUALIFICATION REQUIREMENTS:

- 7-10 years of experience in designing surgical devices; including implants and instruments
- First-hand knowledge and/or experience related to common manufacturing processes

OTHER SKILLS and ABILITIES:

- Experiences in using Siemens NX, SolidWorks, or similar CAD software
- Candidate should possess an understanding of principles and application of GD&T for drawings

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: The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Associate will normally work in an office environment but may also be subject to high noise levels from machines, and physical hazards from moving machine parts. **WHEN OVERTIME IS SCHEDULED, IT IS MANDATORY.**

REVIEWED AND ACCEPTED BY:

<i>MANAGER</i>	<i>ASSOCIATE</i>
NAME:	NAME:
TITLE:	TITLE:
DATE:	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.
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TO BE COMPLETED BY HR:

APPROVED BY: _____

DATE: _____

Kim Ridings, Director of HR