

Contour Fabricators, Inc.
Job Description – Senior Designer

DEPARTMENT:	Engineering
REPORTS TO (TITLE):	Engineering Manager
EXEMPTION STATUS:	Non-exempt
JOB CODE:	

PREFERRED QUALIFICATIONS AND/OR REQUIREMENTS:

<i>Education:</i>	Minimum of Bachelor’s degree in Mechanical Engineering or experience in lieu of degree.
<i>Work Experience</i>	Minimum of 5 – 7 years of solid modeling/design experience required. Experience in complete system design of electro-mechanical devices requiring close tolerance fit and functions is required. Knowledge of machining processes and techniques required. Knowledge of injection molding, compression molding, and castings processes is desirable. Experience with FEA’s and force calculations required. Knowledge of metals and plastics material characteristics required.
<i>Computer Skills</i>	Proficiency in SolidWorks required; experience with Microsoft Word & Excel required, MS Project experience desirable.
<i>Other</i>	Knowledge of engineering design principles and drawing standards; ability to multi-task; excellent organizational skills; excellent written and oral communication skills; creativity and ability to design parts with shape and appeal; mold design experience helpful.

WORK SCHEDULE/WORKING CONDITIONS:

- Monday – Friday 40 - 50 hours; Saturdays as required.
- 1st shift.

SUMMARY OF DUTIES AND RESPONSIBILITIES:

- Work independently, or as a member of a team, to design and document medical devices in a timely manner. Responsible for the design and development of product specifications and associated documentation to comply with FDA, ISO, and CE regulated products. Design improvements to existing product, and update associated engineering documentation. Develop and document manufacturing processes. Participation in the development of engineering policies and procedures.

PRIMARY DUTIES AND RESPONSIBILITIES:

- Utilizes and comply with the Quality Management System
- Interact with Sales, Customers, and Product Development, define new product design specifications
- Utilize Solid Works and Visual Manufacturing (ERP), design, develop, and release new products and associated documentation required to cost effectively manufacture product that meets required specifications and intended use, considering design for manufacturability.
- Conduct and document phased design reviews, coordinating and tracking design changes from R&D thru market release
- Develop user and service manuals for new products
- Develop and oversee testing of product for design verification & validation
- Interact with Sales, Customers, Manufacturing, and Quality departments regarding suggestions, changes, problems, etc; revise and modify existing product documentation packages per change control procedures.
- Oversee and mentor/check work of less experienced designers.
- Develop and document assembly and test fixtures
- Interact with customer when necessary regarding product specifications.

Perform other related duties and assignments as required.