



# Senior Mechanical Engineer

## Job Description

### Position Profile:

Reporting to the Mechanical Engineering Manager, the Senior Mechanical Engineer delivers world class mechanical engineering component and system designs for medical devices and focuses on safety, efficacy, innovation and robustness to maximize the value for clients product goals. StarFish Medical focuses on new product introduction (NPI) and low volume, specialty production of electro-mechanical medical devices.

### Responsibilities:

- Use analysis, modeling, and various prototyping techniques to develop great components and systems as part of the whole solution for the client.
- Efficiently analyze problems, and synthesize your experience and breadth of knowledge of engineering fundamentals into a coherent solution that meets the client's needs.
- Design and perform experiments to determine the solution space and to select the most appropriate path forward to a great medical device.
- Design products for Manufacturing, Assembly and Test (DFMAT) using your broad knowledge of materials and manufacturing processes.
- Ensure that products are developed appropriately for the medical device regulatory environment.
- Create and maintain documentation packages suitable for manufacturing transfer and regulatory submission.
- Transfer product to production and provide on-going engineering support.
- Quickly understand novel technologies and engage with moving them forward towards a product.
- Interface with Business Development to transfer new activities into the company.
- Manage a limited number of concurrent projects primarily of a mechanical scope in a team consisting of 2 - 3 engineers from multiple disciplines.
- Adhere to and enhance the StarFish Quality Management System (QMS), including developing and maintaining documentation.
- Perform other related duties, as required.

**Required Qualifications:**

- Degree in Mechanical Engineering or equivalent experience.
- A minimum of 10 years of relevant industry experience, ideally with 6+ years in a regulated medical device development and/or manufacturing field.
- Experience with 3D modeling CAD software, preferably SolidWorks, as well as ASME Y14.100 drawing standards.
- Experience in a project-based consulting engineering environment would be an asset.

**Additional Qualifications (desirable):**

- Precision mechanical design.
- Excellent hands-on skills.
- Project planning and project management experience.
- Requirements gathering experience.
- An understanding of electrical principles and electronics.