ARAN BIOMEDICAL

Senior Process Development Engineer - Braiding

Reporting to the Engineering Manager, the successful candidate must have a strong background in the manufacturing of braided nitinol implants, such as stents, structural heart or occlusion devices. Working within a regulatory environment, the position will be challenging and will require an ability to work autonomously across a range of client projects.

Duties and Responsibilities

- Responsible for the development, qualification and scale of 32, 96 and 144 Carrier braiding processes (0.001" to 0.008" Nitinol and Polyester).
- Develop and scale annealing systems for Nitinol and heat setting of Polyester braids.
- Coordinates and manages specific design-service projects from concept to manufacture – driven by Client/Customer design inputs.
- Coordinates conversion of a complete design service project from selection of raw material through to final prototype manufacture and testing (complete ownership)
- Execute IQ, OQ and PQ validations for braiding and annealing processes.
- Support and provide equipment guidelines and tooling modifications for process improvements.
- Assist Business Development in developing and costing detailed Design Service Proposals in response to Customer Input criteria.
- Manage related equipment-procurement and specifies tooling requirements & designs.
- Creation and management of documentation and procedure system for processes, equipment, tooling, and testing.
- Identifies and manages subcontractors and supplier-requirements as needed.
- Support quality system requirements through design control methods, design of experiments (DOE) and computer aided design.
- Performs other related duties, as assigned.

Key Requirements

Successful candidate must have a track record of success in an engineering environment, a Bachelor's of Science degree in Engineering or related field. Candidate must be highly motivated and passionate about developing Nitinol braided stent products with strong documentation, oral, and interpersonal communication skills required. Ideally, candidate will have a minimum of 5 years of relevant development experience in the fine wire braiding sector. The individual must be proficient in mechanical design principles and material selection. Demonstrated problem solving skills is important. Candidate must be familiar with project management and critical path planning. Hands-on fabrication skills and use of shop equipment is required. This position has full responsibility and authority to make necessary decisions and/or take action, which is required to carry out job duties.

Additional Information

Position Type: Full Time, Employee