About Us:

Poly-Med is the leading developer of bioresorbable polymers and fibers. We help innovative medical device companies focused on improving patient outcomes. Poly-Med designs, develops and manufactures superior materials to get customer products to market in the most efficient manner with the greatest improvement to quality of life. Located in Anderson, South Carolina, Poly-Med, Inc. has been recognized as a leader in the industry for over 25 years. Poly-Med continues to grow in a multitude of medical device modalities. Our novel materials are key in actively enabling products such as vascular stents, hernia meshes, dental delivery systems, and wound closure applications in the worldwide medical device market.

For additional information, visit our website at www.Poly-Med.com.

Our Team:

Our team is cutting edge, energetic, resourceful, and, above all, collaborative. We are searching for like-minded talent to build on our success and continue our quest to improve patient outcomes through novel polymeric constructs.

Description:

This position will primarily consist of product design and process development activities associated with electrospinning processes, while ensuring compliance to all quality and regulatory requirements. This is a full-time, on-site position with no direct reports, but interaction with all levels of the organization.

Responsibilities for Design Engineer:

- Conduct process and/or test methods associated with electrospinning processes.
- Operate processing equipment in a specific process area.
- Conduct analytical techniques with the ability to interpret results for project recommendations.
- Assist in implementation of process improvements and monitoring for efficacy.
- Interface with suppliers and internal cross-functional team members to develop specifications, coordinate prototype fabrication of customer designed parts, and transition prototypes into manufactured components.
- Provide technical expertise to improve process efficiency/product quality.
- Support new equipment/process implementation.
- Develop test methods for evaluation of new products.
- Create and analyze prototype products.
- Design experiments to provide data based conclusion about a process or product performance.
- Design products, equipment, or fixtures using CAD techniques.
- Recommend and rationalize specifications for development of products.
- Assist with implementing corrective actions (CAPA) with QA.

- Assist in procurement of new testing and manufacturing equipment using IQ/OQ/PQ process validation techniques.
- Assist in creation of publishable research findings in the form of abstracts, papers and grants.
- Support patent filing and claims.
- Write technical reports detailing procedures, outcomes, and observations.

Required/Preferable Knowledge, Skills and Abilities for Design Engineer:

- Prior experience with electrospinning is strongly desired.
- Utilization of Microsoft Office (Excel, Word, PowerPoint) for project execution and internal communication purposes.
- Ability to design experiments and evaluate material using analytical techniques (SEM, Thermal analysis, and mechanical testing etc.).
- Prior experience with creating/editing drawings using 3D CAD design software. Preferred experience with SOLIDWORKS.
- Prior experience working in an ISO 9001, ISO 13485, or GMP facility.
- Prior experience with performing test methods in accordance with USP, FDA, and/or ASTM standards.
- Prior experience with conducting literature searches.
- Understanding of statistical methods and associated statistical analysis software. Preferred experience with Minitab.
- Understanding of cause-effect relations between process inputs and product specifications.
- Understanding of the effect of a process on downstream steps or customer needs.
- Ability to handle confidential business information.

Education/Experience Requirements for Design Engineer:

Required- Bachelor's Degree with 0+ years industry experience

Preferred- Bachelor's Degree with 2-5 years industry experience