



Corporate Office:
51 Technology Drive
Anderson, SC 29625
Phone: 864.328.0008
www.poly-med.com

Part A - General Position Information

Job Title: Design Engineer	Department Name: Engineering Solutions	Reports to: Manager, Engineering Solutions	FLSA Status: Exempt
--------------------------------------	--	--	-------------------------------

Part B – Company Information

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 20 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:

We employ a diverse team comprised of experts from multiple fields in engineering, business and project management on solving tough, medically related problems. Our team is 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 and drug delivery systems.

Part C - Position Information

Description:

This position will implement product design and process development activities with compliance to all quality and regulatory requirements. This is a full-time, on-site position. This role is an Independent Contributor role. There are no direct reports for this position. Interaction is potentially with all levels of the organization.

Responsibilities:

- Interface with customers, suppliers, and internal cross-functional team members to develop specifications, coordinate prototype fabrication of customer designed parts, and transition prototypes into manufactured components.
- Project member for new design and development teams of polymeric materials and devices.
- Provide technical expertise to improve process efficiency/product quality.
- Support new equipment/process implementation.
- Develop test methods for evaluation of new products.
- Conduct process and/or test method validation activities.
- 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 products.
- Assist in implementation of process improvements and monitoring for efficacy.
- Assist with implementing corrective actions (CAPA) with QA.
- Assist in procurement of new testing and manufacturing equipment using IQ/OQ/PQ process validation techniques.
- Operate processing equipment in a specific process area.
- Conduct analytical techniques with the ability to interpret results for project recommendations.
- 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

- Ability to design experiments and evaluate data using characterization/analytical techniques (SEM, mechanical testing etc.).
- Prior experience with 3D printer operation (FDM, SLA, etc.).
- Prior experience with 3D printing materials (PLA, ABS, etc.).
- Prior experience with creating/editing drawings using 3D CAD design software. Preferred experience with SOLIDWORKS.
- Prior experience with drawings for machining purposes with associated tolerances and specifications.
- 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 and patent searches.
- Ability to handle confidential business information.
- 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.
- Utilization of Microsoft Office (Excel, Word, PowerPoint) for project execution and internal communication purposes.

Education/Experience Requirements:

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

Preferred- Bachelor’s Degree with 2-5 years industry experience or Advanced Degree (M.S. or Ph.D.) with 0+ years’ industry experience

Environmental Requirements:

- Must be able to adapt to indoor work environment.

Physical Requirements:

- Sitting
- Standing
- Walking
- Climbing/Balancing
- Reaching – with Arms and Hands
- Stooping/Kneeling/Crouching/Crawling
- Talking
- Hearing
- Feeling/Touching
- Vision – Close, Peripheral, Depth, Ability to Adjust Focus
- Other:

If you are interested in working with us, please email your resume; tell us a little about who you are and what makes you want to join our team to recruiting@poly-med.com.