



TECHNICAL PRODUCTION ASSOCIATE

Ann Arbor, MI

MC3 Cardiopulmonary is focused on fast becoming a leading medical device developer and manufacturer. With deep roots in patient physiology, hemodynamics, technology, and caregiver needs, the Company is well positioned to deliver intelligent solutions that address critical unmet needs.

We are looking for a dedicated, hard-working and dependable candidate with a positive attitude to join our team as a Mechanical Design Engineer. Provides technical expertise in the area of development and design of new or existing equipment. This position requires a person who is versed in many different facets of engineering for machinery design.

Position Responsibilities:

- Responsible for the mechanical design and drawings of assembly and process equipment, and assembly fixtures
- Analyze the process inputs (assembly rate target, ergonomics, quality requirements, etc.) and translate those inputs in functional designs and processes
- Work directly with the production, machining, and quality departments to determine equipment specifications for safe, high quality, and efficient equipment design solutions
- Present layout and conceptual drawings for project approval
- Proper and accurate documentation of equipment including layouts, assembly drawings, details, and BOM's
- Perform all design calculations and specify materials
- Design equipment according to applicable design and safety codes, and established standard within the organization
- Provide design support during the fabrication, assembly, installation, and start-up of the equipment
- Produce all detail drawings for construction using SolidWorks CAD software

Experience and Qualifications:

- BS in Mechanical Engineering from an institution with an accredited engineering program
- 3 to 7 years pertinent experience in assembly equipment and fixture design
- Experience with conceptualization, quoting, BOM, and special machine design in a team based environment is required
- Must be proficient in SolidWorks or Creo Parametric CAD software, projects budgeting, and engineering calculations
- Knowledge of electrical schematic drawing, control design, and PLC programing a strong advantage for this position
- Must have thorough understanding of applicable equipment safety regulations
- Have thorough understanding of machine shop, fabrication, and quality control aspects of machine operation



- Knowledge of current state-of-the-art equipment components, including pneumatic and electrical
- Ability to work well with others in a team environment
- Strong communication skills, both verbal and written
- Proficiency with MS Office Suite (Word, Excel, PowerPoint, MS Project)

Let us know you want to join our team by submitting your resume and letter of interest to careers@mc3corp.com with "Mechanical Design Engineer" in the subject line.