



Sr. Electrical Engineer

Titan Medical Inc. is a Canadian public company headquartered in Toronto, Ontario with its Research & Development center in Chapel Hill, North Carolina. Titan is a medical device company focused on the design and development of single-port robotic surgical technologies.

We are seeking a highly motivated candidate to join our Research & Development center at our Chapel Hill office and reporting to our subsidiary Titan Medical USA Inc.

Responsibilities include but are not limited to:

- Manage all electrical aspects of Titan's robotically assisted surgical systems.
- Lead design, redesign, and release of PCBAs and Wiring Harnesses, EMC/EMI shielding, and ground path management programs.
- Perform safety risk analysis to assure the safety of the device.
- Perform technical/functional risk analysis to uncover engineering and project risks.
- Write verification and validation plans and protocols to effectively test designs against requirements and customer needs.
- Perform or oversee the execution of verification and validation testing for electrical related systems.
- Manage and maintain device drawing package and BOM for electrical systems.
- Review test data against established pass criteria.
- Write clear, data-driven technical summaries and test reports.
- Support research initiatives.
- Determine if outside services can be used cost effectively and expeditiously in place of in-house resources; recommend to supervisor.
- Create and release documentation packages for PCBAs
- Create and implement PCBA test methods
- Support use of robotic surgical system in preclinical and clinical environments.
- Provide technical support/consulting to Titan Medical staff and contract development and manufacturing entities.
- Manage projects.
- Identify and resolve quality issues.
- Support regulatory filings.
- Perform other duties as assigned

Qualifications:

- Bachelor of Science degree in electrical engineering minimum, masters preferred.
- 8+ years of engineering experience including design and manufacturing.
- 3+ year experience with medical device or similar quality management system is required

- Familiarity with manufacturing processes is highly desirable.
- Altium software experience is required.
- Robotics experience is desirable.
- Optomechanical experience is desirable.
- Must be proactive, with the ability to work effectively both independently and collaboratively in a fast paced environment.
- Must have excellent problem solving, interpersonal, and proactive communication skills
- Occasional travel may be required

For confidential consideration, please submit a resume with a cover letter and salary history to careers@titanmedicalinc.com

Titan Medical is an equal opportunity employer. Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or protected veteran status. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform the essential functions of this position.

Recruiting Agencies, Please Note:

Titan Medical will not accept unsolicited assistance from recruiting/search agencies for this employment opportunity. Please, no phone calls or emails. All resumes submitted by recruiting or search agencies to any employee at Titan Medical via email, the Internet or in any form and/or method without a valid written search/recruitment agreement in place for this position will be deemed the sole property of Titan Medical. No fee will be paid in the event the candidate is hired by Titan Medical as a result of the referral or through other means.