

Description	
Job Title	MR Test Technician
Reports to Title	Senior Systems Engineer
General Accountability	<p>Our mission is to Profoundly change the standard of care by creating a tomorrow where clinicians can confidently ablate tissue with precision; a tomorrow where patients have access to safe and effective treatment options, so they can quickly return to their daily lives. Changing the standard of care is part of our fabric. We are a group of energetic, problem-solvers focused on innovation, and looking to change the world. If you want to make a Profound impact with your career, here is your chance.</p> <p>The MR Test Technician is a fundamental contributor to improving quality of our product by providing feedback to product specialists and engineering. They are responsible for the testing, verification and maintenance of PMI's products. This encompasses software, hardware, system aspects of the products as well as integration of third-party products. The role is responsible for developing the test plans; design, planning, execution, and reporting of all activities required to verify conformance to defined acceptance criteria. The individual requires significant schedule flexibility as access to MR scanners is typically limited to off hours and various hospital facilities in the GTA. Some sites are in Europe and significant travel may be required.</p>
Duties and Responsibilities	<ol style="list-style-type: none"> 1. Conduct MR testing on-site (typically Hospital sites on off hours, Schedule and travel flexibility is a requirement) 2. Prepare and release verification and validation protocols and associated reports. (collecting data, perform data analysis ,write test records, and verification reports) 3. Troubleshoot product issues at customer sites and identify product usability issues. 4. Document activities according to Profound's QMS processes 5. Create, update and execute test protocols for the hardware, software, and systems aspects of the company's products with specific focus on MR testing. 6. Develop testing systems to reduce or eliminate MR testing where possible. 7. Investigating methods of increasing efficiency in testing, developing test suites, and verifying that adequate test coverage is applied. 8. Perform verification MRI testing and writing verification reports 9. Run regular phantom testing with new revisions of equipment/software at MRI site(s) 10. Participate in risk management activities 11. Investigate complaints, perform root cause analysis of failures, and propose remediation in a timely fashion.

Competencies	
Education	Degree in Engineering, Science, Computer Science or similar
Certifications	None
Key Attributes (experience, skills and technical knowledge)	<ul style="list-style-type: none"> ▪ Minimum 5 years of industrial experience with emphasis on medical device development ▪ Strong multi-tasking skills, self-sufficiency, resourcefulness are a must for this exciting, fast-paced environment ▪ Work collaboratively with the development team, Project Manager, and Systems team to ensure that delivered solutions align to system requirements. ▪ Experience creating and managing system testing plans ▪ Strong written and verbal communication skills. ▪ Good critical thinking skills and analytical troubleshooting skills ▪ Highly motivated, patient and diligent with an aptitude for teamwork ▪ Interest in applications of engineering in medicine ▪ Excellent knowledge of formal testing methodology, strategy and testing tools ▪ Solid understanding of medical device Development Life Cycle ▪ Working knowledge of electronic hardware ▪ Knowledge of MRI physics and operation is an asset ▪ Knowledge of MATLAB scripting is an asset