

<i>Description</i>	
Job Title	Mechanical Developer Intern – May to August inclusive
Reports to Title	VP Hardware Engineering & QA
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. We are changing the paradigm for treating diseases such as prostate cancer by using real-time MR Imaging, thermal ultrasound and close-loop temperature feedback control, to gently ablate the diseased tissue with minimal side effects.</p> <p>If you share our values and want to work in a collaborative results focused culture and want to make a Profound impact in healthcare and your career, here is your chance.</p> <p>The Mechanical Developer Intern is involved in mechanical aspects of the TULSA-PRO system from generation through manufacturing, as well as future products of the company.</p>
Duties and Responsibilities	<p>Duties and responsibilities will include (but are not limited to):</p> <ol style="list-style-type: none"> 1. Update design specifications for the mechanical aspects of the company's products 2. Support product design and development activity. 3. Analyze mechanical designs. 4. Build early concepts of new designs and prototypes 5. Execute design verification activities as required 6. Produce DHF and DMR documentation for transfer to test/manufacturing 7. Manage and resolve issues with suppliers as needed. 8. Support in-house production as needed 9. Investigate product complaints 10. Perform root cause analysis of failures, and propose remediation in a timely fashion 11. Contribute to risk management content such as FMEA, PFMEA and hazard analysis 12. Perform all duties in compliance with the quality management system
<i>Competencies</i>	
Education	Mechanical Engineering or similar undergraduate degree in process Completion of 3 rd year preferred
Certifications	None

<p>Key Attributes (experience, skills and technical knowledge)</p>	<p>Required:</p> <ul style="list-style-type: none"> ▪ Familiarity with Solidworks ▪ Excellent verbal and written skills. Ability to quickly, clearly, and concisely communicate. ▪ Mechanical aptitude including ability to use common shop tools and measurement equipment ▪ Tenacious problem solver, organized, detail oriented ▪ Knowledge of manufacturing processes such as machining, injection molding, urethane casting, 3D printing and sheet metal ▪ Ability to troubleshoot problems and perform root cause analysis <p>Desired:</p> <ul style="list-style-type: none"> ▪ Experience working with MR compatible devices and therapeutic ultrasound devices. ▪ Knowledge of electromechanical design ▪ Familiar with mechatronics components sizing and sourcing ▪ Experience working with adhesives ▪ Working knowledge of industrial design ▪ Experience working with sterilization and disinfection methods ▪ Experience with statistical analysis ▪ Experience using and designing with off-the-shelf medical components
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