



JOB DESCRIPTION :
RELIABILITY AND SUSTAINING ENGINEERING POSITION
(Full-Time Permanent)

Description	
Job Title	Reliability and Sustaining Engineer
Reports to Title	Director of Hardware Engineering
General Accountability	The Reliability and Sustaining Engineering position reports to the Director Hardware Engineering and is responsible for driving continuous improvement in all mechanical aspects of the TULSA-PRO systems.
Duties and Responsibilities	Duties and responsibilities will include (but are not limited to): <ol style="list-style-type: none">1. Investigate product complaints at clinical/customer sites, perform root cause analysis of failures, and propose remediation in a timely fashion2. Analyze Complaint data and generate prioritized actions to address shortcomings associated with the company's products3. Review existing product design, identify weaknesses, propose, implement and monitor effectiveness of improvements.4. Analyze mechanical designs5. Build early concepts of corrective designs and thoroughly test them6. Create strategy for the verification of the corrective designs, and participate in verification activities.7. Produce DHF and DMR documentation for transfer to test/manufacturing8. Source parts as required, manage vendor issues as needed with Operations team.9. Interact with customers, marketing, and sales as required to capture user needs and look for opportunities to improve products10. Contribute to risk management content such as FMEA, PFMEA and hazard analysis11. Perform all duties in compliance with the quality management system; actively contribute to the continuous improvement of the QMS

Competencies	
Education	Mechanical Engineering or similar undergraduate degree
Certifications	None
Key Attributes (experience, skills and technical knowledge)	Required: <ul style="list-style-type: none">▪ 5 years industrial experience preferably in medical device industry.▪ Extensive knowledge of Solid works▪ Demonstrated troubleshooting and root cause analysis skills▪ Tenacious problem solver, organized, detail oriented▪ In depth knowledge of manufacturing processes such as machining, injection molding, urethane casting, 3D printing and sheet metal



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	<ul style="list-style-type: none">▪ Demonstrated ability to translate user needs into design specifications▪ Knowledge of medical device standards such as IEC-60601-1, ISO 10993▪ Knowledge of ASTM standards and testing methods▪ Competency in mechanical analysis skills such as kinematics, solid and fluid dynamics, heat transfer, material strength▪ Excellent verbal and written skills. Ability to quickly, clearly, and concisely communicate.▪ Mechanical aptitude including ability to use common shop tools and measurement equipment <p>Desired:</p> <ul style="list-style-type: none">▪ Experience working with MR compatible devices and therapeutic ultrasound devices.▪ Knowledge of electromechanical design▪ Experience working with cable assemblies and PCBs▪ Working knowledge of industrial design▪ Experience working with sterilization and disinfection methods▪ Experience with statistical analysis
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