

Description	
Job Title	Mechanical Engineer
Reports to Title	Sr. Director of Engineering, Research and Science
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 Mechanical Engineer is responsible for designing components of a new high-intensity therapeutic ultrasound system intended to treat diseases in humans such as liver and pancreatic cancer. They are responsible for gathering user requirements, creating new designs, manufacturing prototypes, integrating components in the system, verifying that the design meets specifications, performing studies to assess safety, and properly documenting the results of the design activities.</p> <p>The work will primarily be conducted in collaboration with the Clinic of the University of Cologne (UCC) and other companies part of a consortium to develop new clinical applications of high-intensity focused ultrasound (HIFU). The Mechanical Engineer is expected to take part in all stages of the project, including in a pilot clinical trial on human patients.</p> <p>The Mechanical Engineer is also responsible for ensuring that the design can be successfully transferred into the company's product for later full-scale manufacturing.</p> <p>As required by the business, the Mechanical Engineer may be asked to participate in other design and manufacturing activities of the company.</p>
Duties and Responsibilities	<ul style="list-style-type: none"> • Design patient handling and positioning systems • Integrate new mechanical components into the HIFU patient table • Participate in the system characterization and verification • Documentation • Other duties as required by the business
Competencies	
Education	Mechanical engineer degree or similar
Certifications	N/A

<p>Key Attributes (experience, skills and technical knowledge)</p>	<ol style="list-style-type: none">1. Research experience (graduate degree or other) preferred2. 2+ years experience designing integrated systems, preferably medical or ergonomic3. Knowledge of CAD software essential, CREO preferred4. Knowledge of mechanisms and mechatronics5. Independent work and flexibility in work hours6. Ability travel within Europe and to Canada and USA7. Interest in medical technology8. Ability to work in a multidisciplinary team9. Demonstrated ability to get the work done10. Spoken and written English essential11. Spoken and written German highly desired
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