



timeisbrain

MECHANICAL ENGINEER–MEDICAL DEVICE DEVELOPMENT BRAIN20®

Location: Hybrid (Barcelona Area) | Start date: September

Time is Brain S.L. encourage the opened application of qualified candidates as Mechanical Engineer for the BraiN20® device.

About Time is Brain

Time is Brain is a MedTech spin-off founded in 2020 from the Fundació d'Investigació en Ciències de la Salut Germans Trias i Pujol (IGTP). Our mission is to revolutionize acute stroke care through BraiN20®, a first-in-class portable medical device designed to monitor, in real time and automatically, the electrical activity and viability of the brain during ischemic stroke.

We are a passionate, interdisciplinary team working at the intersection of neuroscience, biomedical engineering and clinical care.

About the Role

We are seeking a **Mechanical Engineer** with experience in **medical device development** to support the **next design iteration and validation** of the BraiN20® prototype. You will lead the mechanical architecture of the device, working closely with hardware, firmware, and biomedical engineers across the full product development lifecycle.

This is an exciting opportunity to contribute to a high-impact medical technology in a dynamic start-up environment.

Key Responsibilities

- Lead the mechanical design and development of the BraiN20® device, including housing, assembly mechanisms, and component integration
- Adapt and optimize the mechanical structure to accommodate electronic components and circuit boards
- Collaborate with multidisciplinary teams across biomedical, hardware and firmware engineering
- Ensure compliance with medical device regulatory standards
- Produce engineering documentation (CAD models, drawings, BOMs, tolerance analyses, design reports, etc.)
- Support prototype testing in healthy volunteer studies and clinical trials.
- Identify and coordinate subcontractors and suppliers (plastic injection, laser cutting, assembly, sterilization...)
- Contribute to design for manufacturing (DFM) and scaling for production

Required Qualifications

- Bachelor's degree (or higher) in Mechanical, Biomedical, Industrial Design Engineering or related.
- 3+ years of experience in mechanical design, ideally in regulated sectors (MedTech, automotive, aerospace...).



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- Proficiency in 2D and 3D CAD software (e.g. SolidWorks, Autodesk Inventor, AutoCAD).
- Experience with FEA, tolerance stack-up, and mechanical calculations.
- Knowledge of design for injection molding and other manufacturing techniques.
- Familiarity with mass production processes and transfer to manufacturing.

Desirable Skills

- Previous experience in medical device development, prototyping and clinical testing.
- Understanding of EMC, electrical safety (IEC 60601), CE marking processes.
- Experience sourcing, negotiating and managing subcontractors and prototyping partners.

Soft Skills

- Strong analytical and problem-solving mindset.
- Autonomous, proactive and self-driven.
- Excellent communication and teamwork skills.
- Good command of spoken and written English.

Why Join Us?

- Join a mission-driven team working on lifesaving innovation.
- Be part of a clinical-grade, R&D-focused MedTech spin-off.
- Gain hands-on experience in the development of a regulated medical product.
- Hybrid and flexible working environment.

If you're ready to contribute to meaningful healthcare innovation and help shape the future of stroke management, we'd love to hear from you.

Apply now by sending your CV and portfolio to gruizv@tibtimeisbrain.com