

SENIOR MECHANICAL ENGINEER

Medical Imaging Equipment

2/3 of the world population have still no access to medical imaging yet...

Do you have the passion, determination and enthusiasm for being part of the solution?

Do you have the unique combination of leadership and expertise required for this challenging position, including outstanding skills in medical products development, industrialization and quality management?

For its product development team, which designs and industrializes an extremely robust, cost-effective and digital medical X-ray system, Pristem is looking for highly motivated, proactive and talented engineers with a good track record in the industry of medical devices.

Position Description

The primary mission of the **Senior Mechanical Engineer** is to ensure the entire development of the whole mechanical systems in our medical X-ray equipment.

For that purpose, the Senior Mechanical Engineer is responsible for the specification, design, prototype manufacturing, verification, validation of all mechanical parts. He/She shall lead mechanical developments activities, choose the tools and establish the appropriate partnerships to achieve the quality, planning and budget objectives with the right balance between in-house and subcontracted design. He/She shall constantly interact with the system engineering manager and the project manager, as well as all engineering and manufacturing teams to optimize the integration of his work into the complete system.

These responsibilities shall be conducted in accordance with the objectives and directives defined by the CTO to which he/she reports, the requirements defined with the system engineering manager, as well as the medical quality and regulatory constraints under control of the quality manager.

Main Tasks and Responsibilities

- Review and complete the **mechanical design of the product**, specify the related modules to comply with the system and regulatory requirements.
- Lead the development of the mechanical parts:
 - split development work between himself, internal team and partners;
 - follow execution and deliverables according to project objectives (performance, timelines and costs);
 - ensure the regular integration and testing of all mechanical parts;
 - ensure with the system engineering manager the compliance between the mechanical development work and the rest of the whole product.
- Identify and participate to the selection of partners and collaborators involved in mechanical developments.
- Define and ensure the proper usage of the **tools and processes** required for efficient mechanical development (i.e. design, documentation, test and verification).
- Ensure the mechanical development, the verification and validation according to **active medical devices standards**, as well as **robustness objectives**, **environmental constraints** and **human factors** (usability & ergonomics)
- Assess the robustness and durability of the mechanical parts by calculation, simulation and test; develop components to achieve outstanding **performance** and **reliability** in challenging environments.
- Ensure that product costs objectives for the mechanical parts are met.
- Define and if required develop the means for **testing and manufacturing** of mechanical parts.
- Ensure the technical activity related to the **life cycle management** of the mechanical parts (change requests, obsolescence management, quality improvements...).

Required Skills and Qualifications

- Minimum 10 years of experience in general mechanical development for high quality-price ratio and extreme reliability products
- Strong experience in highly regulated industry with strong process-based approach (experience in medical device industry is a plus)
- Proven experience in complex mechanical products development with reliable and durable movement and braking mechanism.
- Highly skilled in mechanical design, CAD, tolerance analysis, design for assembly/mass production and design for reliability and cost
- Strong technical knowledge in metal parts manufacturing processes
- Experience in leading external partners.
- Ability in working in a team addressing complex systems including mechanic, electronic, imaging, sensing and software development
- Experience in product life cycle management of mechanical and actuation parts
- Open-minded, proactive, persistent, result-driven and able to work under pressure in changing environments (startup)
- Able to produce outstanding quality and reliability required for our solutions to work durably in the most challenging contexts

Languages: French and English proficiency

We offer: A multicultural, open-minded, highly dynamic and stimulating work environment
A disruptive approach combining best-in-class medical technologies with heavy-duty industrial quality
An opportunity to address a global health issue in a practical and effective manner

Activity Rate: 100%

Duration: permanent contract

Start Date: as soon as possible

Work place: Pristem Switzerland

How to apply: Send email applications including motivation letter, resume and work certificates/references to careers@pristem.com

More information: www.pristem.com