

Robocath is a medical robotics company that has been designing, developing and marketing robotic assistance solutions for the treatment of cardiovascular diseases since 2009. Founded by Dr. Philippe Bencteux, the company follows an innovation-driven approach aimed at improving the precision of interventional procedures through advanced robotic technologies.

Job description and responsibilities

You will join the R&D team as a Mechanical Engineer and contribute to the development of medical devices, particularly on critical mechanical subassemblies. You will be involved in all phases of design, development and validation, working closely with internal teams and external partners.

In this role, you will actively contribute to the mechanical design of components and subsystems for a robotic medical device. You will design mechanical parts while integrating industrial manufacturing constraints, particularly those related to plastics processing and injection molding, and produce 2D/3D drawings and models. You will propose robust technical solutions in line with industrial and regulatory requirements.

You will also be responsible for managing subcontractors (engineering firms, suppliers) involved in the design, manufacturing and qualification of components. This includes writing technical specifications, monitoring deliverables and ensuring that services comply with project requirements.

You will contribute to validation and qualification activities, defining and monitoring the associated plans, analyzing test results and proposing corrective actions where necessary. You will also participate in the preparation of the related technical documentation.

Finally, you will take part in product and process risk management activities (FMEA), identify potential failure modes and contribute to risk mitigation actions, in compliance with the quality and regulatory requirements applicable to medical devices.

Desired profile and education level

You hold a degree in mechanical engineering (or equivalent) and have strong competencies in mechanical engineering. You demonstrate solid expertise in design, material selection, tolerancing, and manufacturing processes, enabling you to effectively contribute to the development of technical, including complex, products.

You have developed know-how in plastics engineering, particularly in the design of injection-molded plastic parts and are able to integrate industrial constraints from the early stages of design.

You are comfortable coordinating with technical stakeholders (engineering consultancies, suppliers) and actively contribute to the definition, drafting, and monitoring of technical specifications. Your structured approach and understanding of product development challenges enable you to successfully drive projects in collaboration with various partners.

A successful initial experience in an industrial or product development environment is required.

HR Information

This position is offered on a permanent contract and is to be filled from Q3 2026. The role is based in Rouen, with rare travel requirements. The annual gross salary ranges from €42,000 to €46,000, depending on profile and experience.