

R&D Mechanical Design Engineer

Pixium Vision develops innovative Bionic Vision Restoration Systems, which are active implantable medical devices intended to help blind people regain visual perception and improve their autonomy.

Brief Summary of Key Job Aspects

As part of the R&D team, you will cooperate with the Mechanical Group Leader and take in charge the design and the development of mechanical components and their integration in products and tooling of Pixium Vision's product line.

This includes CAD design, functional drawing, prototyping, testing and industrialization. You will collaborate with internal stakeholders (clinical, production and marketing team), gathering their feedback for product or tooling changes or improvements.

Responsibilities

Thanks to your skills, you will carry out the following tasks:

- Design, develop and support mechanical related components and systems (products and tooling), including CAD design, functional-toleranced drawing, testing and industrialization,
- Document mechanical parts specification, BOM and assembly work-instructions for efficient design prototyping and transfer to production,
- Ensure an efficient and fair follow-up of suppliers on mechanical parts he/she is in charge at technical and relational levels:
 - Build and maintain a real partnership with suppliers through regular communication and follow-up during the lifetime of projects, from design to transfer in production, ensuring a good interface between our needs and the supplier's capacities,
 - Contribute to the establishment of quotations in line with the supplier's technical resources,
 - Know and understand the main technical means and constraints for manufacturing mechanical parts in order to proactive in design choices or manufacturing problem solving,

- Establish design testing or manufacturing process validation protocols and reports when appropriate,
- Lead the parts integration in device and tooling prototypes for proof of concept or design verification phases,
- Gather feedbacks from stakeholders for product or tooling changes or improvements. Analyze and solve product issues (which may include modifications and repairs) related to mechanical design and manufacturing processes all along the product life cycles,
- Keeping an eye on technological developments and considering possible improvements,
- Carry out all of the above while ensuring compliance with the quality system and relevant regulations.

More occasionally:

- Provide support to the other departments (within the R&D or for the Production or Clinical team) on cross-functional assignments,
- Short and occasional travel is to be expected in France and Europe.

Qualifications/Experience

The Mechanical Design Engineer position requires:

- Degree in mechanical engineering, master or equivalent,
- 3 years or a first professional experience in mechanical design department,
- Good practice, knowledge and experience of state of the art in mechanical design including:
 - Mechanical CAD methods,
 - Functional tolerancing for drawings,
 - Key manufacturing technologies and manufacturer constraints,
- Solid experience and mastery of CAD software tools (Solidworks experience ideally),
- Good communication skills (written and verbal) in French and English (including technical terms), ability to communicate complex technical designs in a synthetic manner (internally or externally).

Ideally, with a previous experience:

- Of managing or working closely with suppliers to strengthen our supplier partnership and follow-up
- With medical devices and understanding of medical device design process.

Personal Attributes

These attributes can make the difference and help to better integrate our company:

- Passionate about designing and monitoring the production of mechanical assemblies,
- Creative, analytical, pragmatic, problem solver, results oriented,
- Curious, loving challenges and testing new technologies,
- Open-minded, team player, committed to global team effort and helping others. Ability to work in a team and in a multidisciplinary environment, but also able to work autonomously,
- Ability to evolve in a highly regulated environment involving long development cycles,
- Hands-on, field driven.

Contact

To apply, please send a CV and a short cover letter to the following address:
talent@pixium-vision.com