

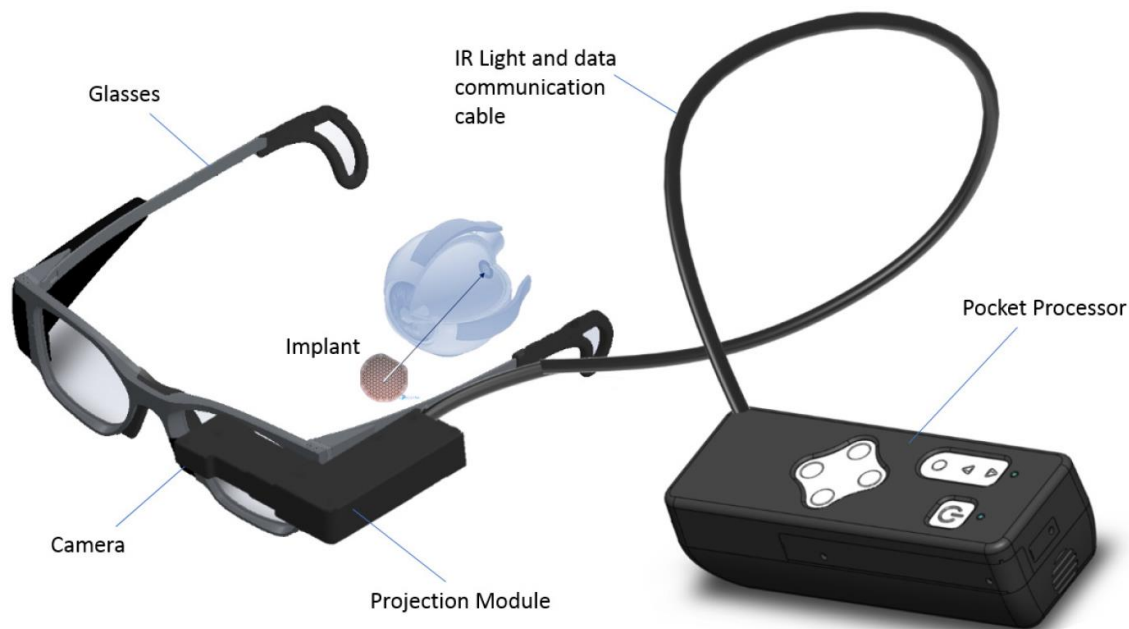


Mechanical Engineer

Mechanical development of Bionic Vision Systems that help blind people regain visual perceptions

Pixium Vision is developing innovative Bionic Vision Restoration Systems, which are active implantable medical devices intended to have blind people regain visual perception and greater autonomy. Pixium leverages the rapid advances in visual processing, microelectronics/nanoelectronics, optoelectronics neurobiology, and intelligent software algorithms in its miniaturized complex optoelectronic systems.

Pixium is looking for a talented engineer to work on the mechanical developments of its Visual Processor devices. Visual Processors comprise a pocket processor and electronic glasses including a camera and a projection system similar to an augmented reality device, which projects IR light patterns on the patient's retina.



We are looking for a hands-on, skilled and creative mechanical engineer who wants to make a difference in patient's life while developing state of the art mechanics for optoelectronic complex miniaturized systems within a fast pace start-up environment.



Role

Responsibility for the development of mechanical components and systems of Pixium Vision's products and tooling, including CAD design, prototyping, testing and industrialization. Permanent position (CDI).

Responsibilities

- Design, development and support of mechanical related components and systems (products and tooling), including CAD drawing, prototyping, testing and industrialization
- Design and manufacture of prototype structures and devices to test design principles, with the help of external partners as needed. Design verification of mechanics related items.
- Supplier management for part sourcing: Understanding the key manufacturing technologies and supplier constraints, building and maintaining supplier relationship
- Managing the transfer from design to manufacturing. Ensuring proper manufacturing specs are available for production (whether subcontracted or internalized) as well as appropriate manufacturing and inspection methods,
- Setting up quality control tests and adequate process controls with suppliers, ensuring final delivery quality of components,
- Gathering and analyzing feedback from clinical team, production, or other departments on mechanical components changes or improvements and implementing them as required
- Troubleshooting manufacturing issues and resolving design issues
- Accomplishment of all the above whilst ensuring compliance with the Quality System and applicable regulations.

Minimum Qualifications/Experience

- Engineering degree, Master degree or similar
- 3+ years in mechanical design development
- Significant experience in CAD drawings. Solidworks experience preferred.
- Good communication skills (written and verbal) in French and English.

Personal Attributes

- Hands-on, field driven, passionate
- Analytical, pragmatic, problem solver, results-oriented
- Open-minded, team player, committed to global team effort and helping others