

Intermediate Mechatronics Engineer

About XSENSOR Technology Corporation

XSENSOR is the leader in Intelligent Dynamic Sensing. Creating excellent products and satisfied customers is our top priority. For over 20 years, we have delivered innovative products that use pressure imaging technology to improve the comfort, safety and performance of surfaces. Superior products ensure XSENSOR is continually identified as the leader in the markets we serve, including the human performance, automotive, health care, biomechanics and sleep industries. xsensor.com

Job Description

We are looking for a hard-working and motivated Intermediate Mechatronics Engineer to work on our newest technologies involving IoT, Machine Learning, MedTech and Human Performance.

You will work as part of an interdisciplinary team to create our next generation of products and technologies.

Our ideal candidate is someone who has experience in working in a team environment and integrating mechanics / electronics and software as a package in order to get machines and systems to function as one.

This person will have the chance to take part in every stage of the product development cycle, contribute their ideas, and make a real impact.

Responsibilities

- As part of a team, be responsible for the innovative design and development of new products as well as maintenance and improvement of existing designs
- Model and analyze products or components using computer-based analysis tools
- Design verification through testing for conformance to industry standards
- Physical implementation of prototypes
- Conduct studies to determine the feasibility, costs, or performance benefits of new products
- Design and develop new electro-mechanical concepts for new product lines (electronics, printed circuit boards, sensors, connectors, cabling, etc.)
- Test performance of electrical, electronic, mechanical, or integrated systems or equipment
- Ensure that products meet manufacturing requirements (DFM) for ease of assembly, consistent quality, reliability and cost effectiveness

XSENSOR[®] Technology Corporation

The Leader in Intelligent Dynamic Sensing

- Select appropriate materials and determine methods of manufacture
- Processing of Engineering Change Request and Notice (ECR / ECN)
- Implementation of design changes resulting from production feedback
- Coordinate with suppliers and vendors to purchase and expedite the delivery of key electro- mechanical components

Skills

- Product development, new product introduction (NPI)
- Design for manufacturing
- Strong 3D and 2D CAD skills, SolidWorks, Draftsight, Fusion360 preferred
- 3D printing and rapid prototyping
- Designing and developing electronics for new product development including creation of layout and schematics, test plans, and design
- Experience with battery powered systems and circuit design using various microcontrollers and SoC's
- Experience with the healthcare field and medical device design is preferred

Qualifications

- Bachelor's Degree in Mechanical Engineering, Electrical Engineering or Mechatronics Engineering
- At least 3 years of experience designing consumer/medical electronics products

XSENSOR offers a challenging work environment, competitive salaries as well as a complete range of benefits. If you are interested in becoming part of a successful company, learning about unique products and being part of a dynamic team, send your resume to:

hr@xsensor.com