

Manufacturing Engineer/Technologist

XSENSOR Technology Corporation is a world leader in pressure imaging technology, providing products that are used to improve comfort and safety of mattresses, automobile seats, wheelchairs, and hospital beds. XSENSOR systems are used in more than 50 countries. For more information, please visit XSENSOR.com

We have an opportunity for a Manufacturing Engineering Specialist to join our team. In this role you will work closely with our manufacturing and design teams to improve current manufacturing processes and equipment, while developing new methods to manufacture our industry leading sensor products.



**AUTOMOTIVE
TESTING**



**PATIENT
SAFETY**



**SLEEP
SOLUTIONS**



DUTIES AND RESPONSIBILITIES:

- Provide highly responsive engineering support and troubleshooting to all aspects of the manufacturing operation
- Design, development and maintenance of all new processes, production fixtures and test measurement equipment to ensure they are suitable and effective to achieve increased production throughput and efficiency
- Effective production floor layout and overall process flow for each stage
- Close collaboration with the Product Development team to ensure an effective transfer-to-manufacturing is achieved for all new products
- Ownership of all relevant technical aspects of the manufacturing element in the QMS
- Ensuring suitability and effectiveness of all materials used in the production of our sensors, including detailed part procurement specifications
- Actively engaged in ensuring our vendors have current specifications and are meeting them – includes resolution of vendor quality acceptance issues

- Actively investigate possible material substitutions that will benefit overall sensor production targets and/or achieve improved product performance
- Ensure that the Non-Conforming Product system is effective – both at the part and equipment levels; for example: parts are being correctly identified, calibrations and equipment are properly controlled, reviewed and prevented
- Create and maintain product documentation related to all aspects of production, including shop floor work instructions, observational standards, calibration test methods and other QC testing procedures. Ensure that these documents are clear and accurate and up-to-date
- Work closely with the team to coordinate the release of updated documents
- Provide training to the production team for new methods and instructions
- Creation and tracking of key Manufacturing / Manufacturing Engineering KPIs
- Update KPI charts and present results to management
- Owner and administrator of XSENSOR's Kanban replenishment system: ensure all elements of our system are in place to secure stable inventory of our materials and sub-assemblies required to fulfill orders

QUALIFICATIONS:

- Post-Secondary Degree or Diploma in Mechanical Engineering or Mechanical Engineering Technology, Electro/Mechanical Technology, or Industrial Engineering
- 3+ years' experience in a manufacturing environment, preferably in a manual to semi-automated production setting
- Highly responsive individual, with demonstrated experience supporting a manufacturing operation
- Hands-on style of work – strong design and fabrication capabilities and skills for creating custom fixtures
- Strong data analysis skills, experience with application of SQC methods in a production environment
- Familiarity with simple PLCs and control systems as applied to pneumatic systems
- Excellent PC knowledge (all common desktop tools)
- Previous work experience in the electronics, or medical industry preferred
- Technical writing experience would be beneficial
- Experience in an ISO/IEC 17025, ISO 9001 and/or ISO 13485 environment as well as previous work in the textile, electronics or printing / lamination industry would be beneficial
- Knowledge of 5S, Lean Manufacturing (Kanban's), Six Sigma, continuous improvement and production methods