

Job Posting: Design & Project Engineer

Tulmar designs, manufactures and distributes engineered protective textiles, survivability and safety solutions for the Aerospace, Defence and Public Security industries.

Headquartered in Hawkesbury, Ontario, Tulmar operates a modern 60,000 square foot facility with equipment ranging from computerized cutting tables, stitching machines R.F. (radio frequency) welding and heat-sealing equipment to highly sophisticated testing and certification equipment including cold temperature test chambers, inertia reel testing equipment and computerized measurement and test equipment for quality inspection.

We are currently looking for a **Design & Project Engineer** to join a dynamic & close-knit team!

Under the guidance of the VP – Engineering and Design, the Design & Project Engineer is responsible for developing, maintaining, and improving assigned products & processes to ensure customer expectations and specifications are met in a cost-effective manner.

Duties & responsibilities:

- Creating Engineering Drawings, 3D models and technical documentations.
- Designing, developing, implementing, continuously improving and training stakeholders on products, manufacturing technology, tooling, processes, documentation, methods, and equipment.
- Leading and Managing assigned Projects. Scope, Budget, Timeline, Resources, sub- contractors etc.
- Responsible for Planning, executing and documenting product validation test to support and satisfy product performance from simple product, to training equipment up to life saving product.
- Maintaining part number library (ERP) and master engineering files.
- creating and reviewing quality documentation (audits, evaluations, clauses, FPI / PPAP, weld, MRB, etc.) and supporting supplier quality development.
- Troubleshooting & improving manufacturing processes to drive efficiency.
- Prepare and maintain Engineering documentation to AS9100 standards.
- Review, support, track improve product design requirements.
- Manage and support assigned Engineering Processes, through continuous improvement, process efficiency, standardizations and Quality output.

What you need to succeed:

- Bachelor's Degree in engineering in a relevant industry with a minimum of 3-5 years' work experience.
- Licensed Engineer and a member of Professional Engineers Ontario.
- Knowledge of related manufacturing technology such as mechanical, electrical, pneumatic and hydraulic systems, RF/ultrasonic/heat welding of plastics, metal welding, sewing, adhesive bonding.
- Knowledge of effective manufacturing principles and techniques (Lean, Kaizen, Kanban, Poke-yoke, JIT, 5S etc);
- Excellent knowledge of CAD drafting and 3-D modeling (Solid Edge);

- Strong organizational and English communication skills, both oral and written with the ability to manage time effectively, facilitate meetings, conduct training and to present information in an advisory capacity.
- Ability to travel as required by the position.
- Valid driver's license and passport.
- Must pass a security check to satisfy Canadian Controlled Goods and US ITAR requirements.
- Knowledge and experience in working under AS9100 or ISO 9001 standard.
- Bilingual English and French preferred
- Familiar with aerospace and military standards ISO, AS, CARs, OHSA, Mil specs, SAE and TSO used in engineered textile and military industry would be an asset.
- Ability to work and progress multiple priorities at the same time.
- Due to Controlled Goods Program and ITAR compliance requirements, candidates must be Canadian citizens or permanent residents eligible under ITAR regulations.