



Avcorp designs and builds major airframe structures for some of the world's leading aircraft companies, including Boeing, Bombardier and BAES. With 50 years of experience, more than 500 skilled employees and 350,000 square feet of facilities Avcorp offers integrated composite and metallic aircraft structures to aircraft manufacturers, a distinct advantage in the pursuit of contracts for new aircraft designs, which require lower-cost, light-weight, strong, reliable structures. Avcorp is a Canadian public company traded on the Toronto Stock Exchange (TSX "AVP")

## DESIGN ENGINEER – Tool Design & Technology Development Center

### Responsibilities

- Liaise with Customer/Suppliers for all design related issues
- Advise Corrective Action Boards (CABs) on corrective actions with respect to tooling issues
- Conduct Design of Experiments (DOE's), simulations and analysis in support of the Technology Development Center
- Investigates design related issues and develops effective solutions
- Design Tooling solutions for detail components and Final Assembly Jigs (FAJs) and fixtures
- Liaise with Tool fabrication shop on design intent
- Prepare technical drawings, solid models and technical publications
- Interpret technical requirements and design information in preparation of tooling drawings and laser tracker models
- Prepare laser tracker models, tool building procedures and process control procedures for operating advanced measuring systems
- Reviews, recommends, coordinates design, drawing changes activity with customer, other Company disciplines and coordinates activities between production, manufacturing and engineering
- Ensure compliance to functional, regulatory and customer requirements
- Present designs at internal and external design reviews to ensure the design meets requirements and expectations
- Review and quality check design tasks, drawings, engineering documents and calculations
- Ensure the highest standards of stake holder management are upheld

### Qualifications

- Bachelor's degree in Mechanical or Aerospace Engineering (Master's degree an asset)
- 5+ years experience as Tool or Product Design Engineer in the Aerospace Industry (other regulation intensive industries will be taken into consideration)
- Analytical and research abilities
- Proficiency in the use of CATIA V5, Build IT, and Enovia PLM
- Proficiency in the use of FARO Laser Tracker equipment
- Experience in aircraft/mechanical design, engineering coordination, review and certification of engineering drawings, review of engineering specification, and scope of work development and management
- Possess superior written and verbal communication skills
- Experience in managing and controlling change in engineering design and scope
- Proven ability to work well with other disciplines in the pursuit of solving manufacturing/design problems

- Strong interpersonal skills with demonstrated ability to maintain good working relationships with internal and external customers
- Successful candidates must meet all requirements under ITAR & CCGP

Avcorp offers a competitive compensation and benefit package, while fostering equal opportunity employment. Please email resumes to **recruiting@avcorp.com** and insert "**Design Engineer Tool Design TDC**" in the subject line. We thank all applicants in advance but advise that only those under consideration will be contacted.