

About Us:

Trinity Aerospace was founded in 2000 primarily as a sheet metal fabrication shop. Over the years we have vertically integrated to include assembly, some processing, heat treatment, and machining.

In 2013 Trinity Aerospace entered into a joint venture with Altitude Aerospace to acquire DICI Industries, a machining and assembly facility located in Montreal, QC. This allows us to also offer the additional services of CNC precision machining and aerospace engineering services through our partner companies.

In our 30,000 sq. ft. modern facility, located in Mississauga, ON, we have state of the art equipment to fabricate simple or complex sheet metal parts up to 48" x 144" depending on part configuration. Our dedicated production team consists of "artisans" that are supported by a robust team of professionals.

Trinity prides itself on a quicker than normal turnaround time and produces "one-off" and small to large production runs. Besides build to print, we also provide Design/Build solutions for prototype & certification.

Opportunity:

We have a great team and we are looking to add a **Methods Engineer**. The Methods Engineer will develop and update specifications and work order packages for our shop. We are looking for an experienced individual who is self-motivated, a quick learner and who is not afraid to ask questions.

What We Offer:

- Supportive, continuous learning and improvement mentality
- Leaders that will mentor you and encourage growth
- Pleasant, respectful, inclusive, family-oriented environment
- Total Rewards Package includes cost shared benefits with standard medical, dental and vision coverage, a health spending account, and competitive wages
- Annual employee events such as holiday parties
- Flexible hours: Monday to Friday, Office hours are 7:00am to 6:00pm, flexible start time between 7:00am to 9:30am, 8-hour shift with a 30-minute lunch

Key Responsibilities:

- Identify and develop structure specifications to ensure compliance with design requirements, applicable standards, regulations, and costing models
- Deliver accurate and complete work order packages to the shop floor including:

- Files for the CNC router
- Tool lists
- Estimated cycle times
- Set-up instructions
- Stage drawings
- In-process inspection details
- Develop detailed work instructions for shop floor drawings
- Design and implementation of tooling, sheet forming blocks and troubleshooting
- Update work orders on the floor with latest technical notes and drawings
- 3D modelling and drafting using CATIA V5 (preferred), or using SolidWorks as an alternative
- Proficient with processing operations:
 - Heat treatment of aluminum alloys
 - Aircraft steels
 - Magnetic Particle Inspection (MPI)
 - Fluorescent Penetrant Inspection (FPI)
 - Cadmium plating
 - Ion Vapour Deposition (IVD)
 - Primer and topcoat application
- Provide technical leadership to technicians and internal departments
- Participate in job review and post-mortem meetings
- Recommend process improvements including best practices
- Other duties as assigned

What You Need to be Successful:

- 5+ years related work experience in an aerospace manufacturing environment including working with manufacturing processes and preparing work instructions
- College Technical Degree or Bachelor of Science Degree in Engineering
- Understand manufacturing processes, sequencing of specifications/operations
- Possess full understanding of machining processes and mechanical assembly
- Experience in metals/machining or a heavy industrial assembly environment
- Have hands-on experience with allowances and tolerances for fits
- Familiar with material specifications: Aerospace Material Specifications (AMS), American Society for Testing and Materials (ASTM), and Military Specifications (MIL)
- Working experience in AS9100 environment
- Familiar with Bombardier specifications: Bombardier Aerospace Procedural Standards (BAPS), Production Process Specification (PPS), and Magnetic Particle Inspection (MPI) is an asset
- Proven ability to work under pressure in a busy and complex environment with minimal supervision
- Proficient computer skills including typing skills, professional email communication and intermediate skills with Microsoft Office programs

- Ability to successfully prioritize and manage competing deadlines and changing requirements
- High level of accuracy and attention to detail
- Strong problem-solving skills with a focus on finding solutions
- Good verbal and written communication skills in English
- Positive attitude and team player

How to Apply:

If you are interested in joining the Trinity Aerospace team, please visit www.trinityaerocanada.com/careers to fill in an application and submit your resume.