



Position: **Programmer**

Job Description

Aerospace Manufacturing Inc., a leading provider of Original Equipment Manufactured aircraft parts, weldments and machined components located in Eagan, MN is adding a new Programmer position. The individual in this position will review CAD models and engineering, and will programs mills, lathes, press brake and laser by entering instructions, including zero and reference points; setting tool registers, offsets, compensation, and conditional switches; calculating requirements, including basic math, geometry, and trigonometry using GibbsCAM, Amada Dr Abe Bend and Radan.

- Create and document all programs with instructions and in-process drawings with high degree of accuracy so operators can understand with ease instructions on how to run the programs.
- Create and update set-up and tooling sheets.
- Interface with operators and manufacturing supervisors to develop most efficient method to manufacture products and recommend improvement needed.
- Create machining procedures and processes (fixturing, tooling and machines).
- Confer with appropriate engineering and other personnel in preparing and finalizing programs.
- Assist with inspection, qualification and validation of tools, fixtures, and First Article parts using basic inspection equipment (calipers, micrometers, depth gage, etc.).
- Analyze inspection reports to determine adherence to drawings, specifications, processing procedures.
- Develops cost effective tool design concepts appropriate to the configurations being programmed and machined.
- Participates in design reviews on cross-functional teams as required to ensure the conformance to specifications.
- Specify and manage expendable tooling inventory including storage control and reorder points.
- Ensures that documentation is in accordance with appropriate QMS procedures.
- Verify CNC programs are fully gouged checked and collision checked prior to releasing using software and machine.
- Other duties as assigned.

Required Skills and Experience

- Machining experience, including setup and operation of a diverse range of machine tools. The types of tooling required for specific applications, and generalized machine shop procedures.

- Requires AS in Machining Technology or BS degree in a technical field (Mechanical or Manufacturing Engineering preferred). In the absence of a technical degree, the position requires 5-8 years technical experience in CNC programming software.
- Must be extremely capable in GibbsCAM including macros, sub-routines and probe cycles.
- Must be able to work from written or verbal instructions, detailed engineering drawings, and 3D models and be knowledgeable in GD&T (geometric dimensioning and tolerance).
- Possesses the ability to run the programs which have been created on the applicable CNC machines to produce production parts.
- Ability to maintain records of programming activity including drawing reviews and first article status.
- Responsible for cutter knowledge and effectively utilizing the cutters for maximum efficiency.
- Experience auditing customer manufacturing criteria (i.e. drawings, specifications, tooling, etc.) and purchase orders to insure all information is present to produce product.
- Must be detail oriented, able to work independently as a problem solver with excellent verbal and written communication skills and have the ability to finish projects in a timely manner.
- Experience working with Mil and industry specifications.
- Proficient in MS Office.
- Export of SolidWork's files into STEP, DXF and Parasolid files. Willing to train in Dr Abe and Radan.
- US Citizen or a legally authorized foreign worker.
- 18 years of age or older.
- Read and speak English fluently.
- Ability to effectively manage and build relationships across departments.
- Ability to work extended hours on an as-needed basis.

Additional skills and experience highly desirable but not required:

- Experience with Epicor Vista or Vantage.
- Aerospace manufacturing/production experience.
- Familiar with AS9100C and ISO 9001:2008 Quality Management System requirements.

Aerospace Manufacturing Inc. is an Affirmative Action/Equal Opportunity Employer.

To apply, please send cover letter, resume and salary requirements to resumes@awi-ami.com