



**Job Title:** Tool and Die Designer  
**Department:** Engineering  
**Reports:** Engineering Manager / Director  
**Education:** BS in Engineering or Related Field  
**Experience:** 5+ years

Under general direction by the project engineer, this position designs fixtures and dies to manufacture product for machining, welding and fabrication component for new and existing parts using CAD software.

**Position Responsibilities:**

- Reads and interprets blueprints, symbols and geometric tolerances based on military and commercial specifications.
- Provide tooling designs that are manufacturable, safe, accurate, meets project scope of work for all manufacturing processes
- Work closely with engineering and the shop floor to design fixtures and dies as required utilizing CAD software and models
- Must be able to generate drawings to manufacture all tools and dies with an understanding of GD&T tolerance and stack up features.
- Create bill of materials and standard routers in our ERP system
- Work closely with the quality engineers when designing inspection gages to assure we meet our customer's requirements.
- Acquire all signature approvals on all drawings as required.
- Support any task assigned by the project engineer
- Maintain accuracy of tooling database and support any customers audits as required
- Familiarity with specifications and requirements for commercial and military component
- Able to research, understand and implement new technologies for possible cost savings and process improvements
- Must have the ability to work independently, proactively and meet customers deadlines
- Utilizes strong communication, leadership, presentation, and interpersonal skills
- Participates in discussions with customers and suppliers as required
- Performs other duties as required

**Experience and Skills Required:**

- Bachelor Degree in Engineering or related technical field
- Minimum of 5 years of experience in tool and Die Design
- Must be proficient using CAD systems to design and create drawings.
- Must be proficient using Microsoft Office products
- Capable of mentoring employees
- Demonstrates good written and verbal communication skills
- Ability to work independently and on a team
- Ability to work on multiple tasks simultaneously