

JOB TITLE: Hydraulic Fixture Designer

Job Summary:

A candidate for this position must have strong design skills. Solid works experience preferred.

Successful candidate must be able to research, develop, and design a robust solution to properly hold a customer's production part while being machined. Candidate must take into consideration all factors that effect a workpiece while under machining conditions.

Job Responsibilities:

- Manage all the technical information that is provided and to develop a fixture solution that is robust for the end user.
- Work closely with the fixture build department to assist them with clarification changes, etc.
- Perform start up meetings along with the Project Manager to be sure all pertinent information is provided prior to developing the fixture.
- Update the drawings for any changes that may have been necessary during the build stage.

Job Requirements:

- Strong 3-D CAD System experience
- Prior Hydraulic Fixture Design experience is preferred. Automation Design experience is acceptable.
- Candidate must be able to develop and create a hydraulic fixture that takes into account all pertinent aspects of the manufacturing process including but not limited to:
 - Part geometry and features
 - Type of loading; robot or manual
 - The machines hydraulic system limitations
 - The machines pneumatic system if part/clamp confirmation is required
 - Internal size limitations of the machine tool
 - Cutting tool pressures
 - Operator ease of load
 - Maintainability of the fixture
- Willing to work overtime as required
- Follow and support James Tool's AS9100 (Aerospace) & ISO9001 processes

Knowledge, Skills & Abilities:

- Pay close attention to detail
- Manage time on projects and in an organized methodical manner
- Candidate must be able to explain his/her design intention and allow input from peers, fixture builders, project managers, and the end user

James Tool is an Equal Opportunity Employer