

## **POSITION OPENING: Mechanical Engineer**

**COMPANY LOCATION: RTI Tradco, Washington, MO**

### **A. Position Summary**

Researches, develops, plans, and designs mechanical and electromechanical products and systems that may involve nanotechnology.

### **B. Job Duties / Responsibilities**

- Troubleshoot and implement solutions for manufacturing processes including hot forming operations.
- Coordinate activities using the Statistical Process Control (SPC) methodology.
- Assist in the approval of the BAC 5636 certification and specifications.
- Prepare and read system layouts, detailed drawings, and schematics using CATIA and/or AutoCad.
- Meet with vendors and become familiar with assembly techniques to solve production problems and implement assembly methods.
- Analyze equipment specifications and performance requirements to determine designs which will improve existing manufacturing methods.
- Determine feasibility of designing and modifying existing facilities while considering costs, available space, time limitations, and other technical and economic factors.
- Provide technical information concerning manufacturing and/or processing techniques, materials, properties, and process advantages to improve the manufacturing process.
- Confer with technical experts to clarify and resolve issues prior to the implementation of solutions.
- Plan and develop design of experiments (DOE) for changes in manufacturing process.
- Analyze data to determine if designs meet functional and performance specifications.
- Assist the Production Manager in design of new and existing equipment.
- Other duties as assigned.

### **C. Basic Qualifications / Requirements**

- BS/BA in Mechanical or Aerospace Engineering.
- Three years related experience in SPF and hot forming of titanium or aluminum parts.
- Knowledge of drafting and dimensioning fundamentals for the development of detail, assembly, and drawings is essential.
- One year minimum experience with 3-D CATIA software or AutoCAD.
- Skilled in both verbal and written communication.

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