

**MEYER TOOL & MFG., INC.**

***Specialists in Cryogenic, Vacuum & Pressure Technologies***

**Reducing Project Risk for 45 Years**

***Senior Mechanical Engineer – Cryogenic, Vacuum, Pressure***

Make a difference solving cryogenic, vacuum or pressure component fabrication challenges in our small manufacturing environment.

Meyer Tool & Mfg., Inc. is seeking a motivated, hands-on **SENIOR MECHANICAL ENGINEER** to lead multiple unique and complex fabrication projects in our ASME Code Certified shop. The preferred candidate will have an advanced degree in Engineering (Mechanical or Aerospace), Physics or equivalent discipline. Exhibit both creativity and technical expertise preparing technical proposals, designing components, developing project plans, and leading cost effective execution strategies as the primary customer contact from proposal to ship. Reduce project risk by anticipating process challenges, developing strategies to mitigate problems before they arise, balancing multiple and conflicting priorities mindful of budget and schedule, in our collaborative environment. This position requires a detail oriented, self-starter possessing strong problem solving skills with the ability to optimize build-to-print or design-engineer process plans in a heavy metal fabrication environment.

Meyer Tool builds components others deem impossible. Founded in 1969 and located in Oak Lawn, IL, we celebrate our non-union job shop’s 49-year reputation for innovation and quality. We fabricate one-of-a-kind or short run projects that vary in size, complexity and value. We offer a suite of services including engineering, welding, machining, assembly and test capabilities in our fully integrated manufacturing facility. As a trusted supplier tothe country’s top research universities and national laboratories such as Argonne National Lab & Fermilab, international labs, as well as to leaders in cutting edge, technology based industry, our engineers are proud to lead a variety of unique and challenging projects that have an impact on the world around us, bringing new technologies to life.

**Essential Duties and Responsibilities:**

Contribute to the Company’s strategy and success by making significant contributions to high level one-of-a-kind or short run projects:

1. Lead Engineer on unique projects from proposal to ship, maintaining schedule and budget.
   1. Develop strong customer relationships. Partner with customer in both pre-contract, quote and contract phase to discover end-user objectives.
   2. Develop creative, cost-effective strategies to meet objectives on projects ranging in value from $5K to $1MM +.
   3. Collaborate with operations team to develop and implement optimized fabrication solutions that meet customer, budget and schedule objectives while minimizing risks typical of prototype and low volume production of complex products.
   4. Prepare and maintain appropriate documentation including bill of materials, travelers, manufacturing routings and updated drawings.
   5. Perform design engineering/engineering analysis: Perform pressure vessel, pressure relief and thermal calculations as required. Research production methods. Oversee preparation of 3-D models and drawings.
   6. Track projects / project resources, costs, schedule and scope.
   7. Prepare and present project, design review, kick off and close out meetings.
2. Participate in technical sales initiatives by developing cost estimates and proposals for RFQs.
3. Prioritize and distribute workload, balancing multiple and conflicting priorities to meet budgets and deadlines in a fast paced environment.
4. Train, mentor and hold accountable engineers and support staff to build the workforce of the future.
5. Participate in developing and implementing continuous improvement strategies.
6. Maintain company certifications including ASME code certifications.
7. Maintain positive working relationships with customers, peers, vendors, shop and office in a fast paced environment.

The successful candidate will meet or exceed the following **Qualifications**:

* Advanced degree in relevant engineering or physics discipline required. PhD preferred.
* 2+ years as a mechanical/cryogenic/manufacturing/design engineer and/or project manager in a relevant manufacturing environment.
* Knowledge of manufacturing processes and techniques (forming, machining, welding and inspection/testing) used in the manufacture of fabricated metal parts.
* Familiarity with Cryogenic, vacuum and/or pressure equipment fabrication.
* Demonstrated creativity in engineering solutions and project management.
* Strong problem solving and analytic skills with the ability to evaluate, anticipate and prioritize key factors.
* Experience with ASME Code Section VIII, B31.3 Piping Code, Vacuum Vessels and Process Vessels standard practices a plus.
* Must be able to read and interpret blueprints and understand GD&T.
* High energy person with drive and motivation to tackle any challenge that requires your expertise.
* Ability to streamline multiple and/or conflicting priorities in a detail oriented manner.
* Competent in use of Autocad Inventor, Made2Manage or other ERP system, MS Office and Microsoft Project.

**We offer excellent compensation, plus benefits:**

* Medical and Dental coverage.
* 401K program with employer match.
* Eight paid holidays per calendar year.
* Excellent vacation package.
* Tuition reimbursement is available for pre-approved, job-related coursework.

**Interested parties should send applications via e-mail to** [**jobs@mtm-inc.com**](mailto:jobs@mtm-inc.com)**.**

Please visit our website [www.mtm-inc.com](http://www.mtm-inc.com) for detailed information on Meyer Tool.

Keywords: Engineer Manager, Leadership, Project Engineer, Project Manager, Cryogenic Engineer, Mechanical Engineer, Manufacturing Engineer, Industrial Engineer, Design Engineer, Production Engineer, Aerospace Engineer, Physicist, Physics, Principal Engineer, Master Engineer, Chemical Engineer, Senior Mechanical Engineer, Materials Engineer