

### **Steel-Pro is Looking For:**

A Mechanical Design Engineer responsible for designing pressure vessels to the standards of the ASME Boiler and Pressure Vessel Code. You will be required to incorporate customer specifications, quoted materials, and the ASME code into the design of pressure vessels and to ensure the safety of all vessel components. The result of your work will be highly detailed and accurate fabrication drawings which are released to our shop floor, where you can see your designs built on-site.

### **Steel-Pro Culture:**

Steel-Pro is the Northeast's foremost manufacturer of custom stainless steel tanks and ASME pressure vessels. As a 100% employee-owned business, our culture is heavily invested in the professional and personal success of all our employee-owners. As an employee-owner, you can make a difference through your work and have a direct impact on the company's goal to serve our customers, continue to grow a successful business, and provide you with a rewarding career and the room for a fun and meaningful personal life.

We offer a great benefits package and a fast paced, dynamic work environment. We would love for you to join our team and become an employee-owner!

### **Our Goal and How We Achieve It:**

Our goal at Steel-Pro is to design and fabricate the highest quality custom equipment at the best value and delivery for our customers and to provide a safe work environment for our employee-owners and visitors alike. We rely on each individual employee-owner to contribute to reaching this goal by bringing a unique skill set to work each day and to adhere to our core values:

- Provide a safe environment for employees and visitors.
- Value the importance of fairness, honesty, integrity, respect and accountability for our actions and decisions.
- Continuously improve in all aspects of our business.
- Value teamwork and employee's commitment to Steel-Pro.
- Consider our customers and suppliers valued "business partners" and act accordingly.

### **What We Offer You:**

- A fulfilling career with many avenues for success.
- A competitive salary.
- A comprehensive benefits package.
- A dollar for dollar 401(k) match up to 4%.
- Added employee-ownership retirement benefit.
- Profit Sharing.

### **How You Can Help:**

- Identify quoted materials, pressure vessel dimensions, and customer specifications; all of which are used to design the pressure vessel.
- Use Codeware's COMPRESS ASME Pressure Vessel Design software, as well as traditional engineering practices to verify and improve upon quoted pressure vessel designs.
- Collaborate with project managers, QC manager, production manager, and engineering manager to design pressure vessels that will satisfy the customer's needs, and lend itself to ease of fabrication and assembly.
- Model pressure vessels in 3D using Solidworks to validate the practicality of the design and check for any previously unforeseen design flaws.
- Draft 2D fabrication drawings using Solidworks to incorporate all of the information necessary for the pressure vessel to be fabricated in accordance with the ASME code, the customer's requirements, and quoted materials.
- Revise calculations, 3D model, and fabrication drawings to suit the needs of the customer which often change throughout the design process.
- Release customer approved valid drawings to the shop floor and ensure all essential personnel receive the proper drawing revisions.
- Create "As Built" drawings of completed pressure vessels to be included in the turnover package.

### **What Makes You Qualified:**

- B.S. in Mechanical Engineering or similar engineering background.
- 3D modeling experience. Solidworks is our preferred software.
- 2D drafting experience is helpful.
- Working knowledge of Microsoft Office products.
- Great attention to detail.
- Problem Solving Skills
- Ability to work individually and as part of a team.
- An ability to communicate effectively with co-workers and customers alike.