# Hydraulic Engineer

**Job Summary:**
This role will be responsible for designing, developing, and maintaining hydraulic systems used in our manufacturing products, processes, and equipment. This role requires a deep understanding of fluid mechanics, hydraulic components, and system integration to enhance the efficiency and performance of our machinery.

**Essential Duties and Responsibilities:**

- Design, develop, and improve hydraulic systems and components for manufacturing equipment.
- Conduct analyses and simulations to optimize hydraulic performance and efficiency.
- Diagnose and troubleshoot hydraulic system failures, implementing effective solutions to minimize downtime.
- Collaborate with cross-functional teams (design/engineering, sales, production, maintenance, and quality assurance) to ensure seamless integration of hydraulic system.
- Perform hands-on work to test, modify, and validate hydraulic systems, ensuring functionality, and reliability.
- Develop and maintain technical documentation, including schematics, manuals, and test reports.
- Ensure compliance with industry standards, safety regulations, and environmental guidelines.
- Research and implement new hydraulic technologies and best practices to improve system reliability and efficiency.
- Provide training and support to maintenance teams regarding hydraulic system operation and troubleshooting.
- Other duties as assigned.

**Requirements:**

- Proficiency in hydraulic simulation and design software (i.e. AutoCAD, Inventor, MATLAB, or similar).
- Strong knowledge of hydraulic components (pumps, valves, actuators, and fluid dynamics).
- Familiarity with industry standards such as ISO, ANSI, and OSHA regulations.
- Excellent problem-solving skills with the ability to work under pressure and meet deadlines.
- Strong communication skills to collaborate with teams and present technical information effectively.
- Previous work in a manufacturing environment.
- Experience in an ERP system.

**Education and Experience:**

- Bachelor's degree in mechanical engineering, hydraulic engineering, or related field.
- Minimum of 3-5 years of experience in hydraulic system design and maintenance, preferably in a manufacturing environment and including hands-on experience.
- Certification in hydraulics (i.e. IFS) is a plus.

**Physical Requirements:**

- Must be able to lift 15 pounds at a time.
- Must be able to access and navigate each department at the organization's facilities, which include standing and walking for long periods of time.
- Prolong periods of sitting at a desk and working on a computer.