



Job Title	Hydraulics Design Engineer	
Location	Charlotte, NC	
Division/Dept.	L&H Manufacturing Services / Engineering Department	
Reports to	Engineering Manager	
Type of position:	Hours <u>40 hrs./ week</u>	Notes: Occasional overtime may be required as the work load demands.
<input checked="" type="checkbox"/> Full-time w/benefits <input type="checkbox"/> Temp Full-time w/o benefits <input type="checkbox"/> Part-time w/o benefits <input type="checkbox"/> Temp Part-time w/o benefits	<input checked="" type="checkbox"/> Exempt <input type="checkbox"/> Nonexempt	

**GENERAL DESCRIPTION**

As a member of the Engineering Team, the focus of the Hydraulics Design Engineer is to help increase profitability of the standard product line through efficient design and accurate project cost estimation.

Primary responsibilities include but are not limited to:

- Ability to read and understand mechanical CAD drawings , Schematics and BOM's
- Ability to learn and use the project management tools of Apogee to create item BOM's for quotes.
- Create 2D logic schematics using Autodesk AutoCAD.
- Create 3D CAD based models of mechanical parts and assemblies and corresponding 2D drawings and presentations.
- Store and retrieve technical documents within Autodesk Vault.
- Create material BOM's to be used for quotes.
- Interacts with Project Manager for jobs in Production.
- Act as a technical resource for manufacturing and Sales.
- Communicate with sales team to clarify and implement customer estimation requirements.
- Maintain professional working relations with Associates, Vendors, and Customers.

**QUALIFICATIONS**

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

**Education**

- Associate's degree (A.A.) or equivalent from two-year College or Technical school and three years related experience and/or training; or equivalent combination of education and experience.
- Bachelor's degree (B. S.) in Engineering preferred.

**Skills/Competencies**

- A keen attention to detail with strong organizational skills
- Ability to work independently and manage multiple tasks
- Excellent written and verbal communication skills
- Committed team player with caring attitude

**Language Ability**

- Ability to read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals. Ability to write routine reports and correspondence. Ability to speak effectively before groups of customers or employees of organization.

**Math Ability:**

- Ability to calculate figures and amounts such as discounts, interest, commissions, proportions, percentages, area, circumference, and volume. Ability to apply concepts of basic algebra and geometry.

**Reasoning Ability:**

- Ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists. Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.

**Computer Skills:**

- To perform this job successfully, an individual should have knowledge of and be proficient in Microsoft Office, Excel, and Adobe Acrobat. Needs to have a basic knowledge of AutoDesk Vault as well as a proficiency in AutoCAD and AutoDesk Inventor.

**Supervisory Responsibilities:**

- This job has no supervisory responsibilities.

**Work Environment:**

- The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- The noise level in the work environment is usually moderate and there is some time spent near moving mechanical parts.

**Physical Demands:**

- The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- While performing the duty of this Job, the employee is regularly required to sit; use hands to finger, handle, or feel and reach with hands and arms. The employee is occasionally required to stand and walk as well as be able to speak and hear. An employee would need to be able to have the ability to have clear vision at 20 inches or less.