



JOB TITLE:	Product Engineer - LEP	RATE OF PAY:	\$75,000 - \$90,000 annually
DEPARTMENT/GROUP:	Engineering	SCHEDULE:	Full Time
Position Type:	Full Time 40+ hours per week	DATE POSTED:	01.09.2025
APPLICATIONS ACCEPTED BY:			
FAX OR EMAIL: Fax number: 585-494-8371 E-mail: hr@libertypumps.com		MAIL OR IN PERSON: Liberty Pumps 7000 Apple Tree Avenue Bergen, New York 14416 Attn: Human Resources	
JOB DESCRIPTION			

Qualifications and Education Requirements

Computer literate in common word processing, spreadsheet, and other Windows-based PC programs, as well as show a strong proficiency in using SolidWorks design and EPDM software. A Bachelor of Science Degree in Mechanical Engineering or Mechanical Engineering Technology with minimum 5 years of experience leading successful product development projects. Training and working knowledge of GD&T, tolerance stack-ups, and advanced problem-solving tools are required.

Summary of the Position

Support the Liberty Engineered Products (LEP) line by performing key functions such as product model, drawing, and BOM creation, maintenance of design related data, and execution of projects in cooperation with the LEP engineering team.

Essential Responsibilities

1. Develop proficiency related to skills and knowledge required to manage product CAD and BOM assets in SolidWorks, PDM, and Epicor.
2. Become familiar with Liberty Pumps assembly techniques and equipment and provide technical support to these areas as needed.
3. Become familiar with the Liberty Pumps Product Engineering Project Design and Development procedures and all concepts therein.
4. Become familiar with Liberty Pumps LEP products and their respective markets.
5. Work with other LEP Product Development Engineers on product line expansion projects.

6. Act as liaison between LEP engineering team and CAD team related to assembly drawings, LEPS design, management of spare parts information, and communication of product changes.
7. Support LEP Sales Team and Customer Service related to LEP products and information.
8. Understand the Liberty Pumps Quality statement and incorporate it into his/her skill set for product design and development.
9. Become familiar with Liberty Pumps manufacturing process capabilities and assembly methods.
10. Support Manufacturing Engineering related to assembly processes and improvements.
11. Maintain awareness of vendor, manufacturing, and field quality performance, and incorporate countermeasures in new product designs.
12. Develop and maintain an open, professional working relationship with all internal Liberty Pumps departments and individuals.
13. Develop and maintain an open, professional working relationship with external Liberty Pumps partners and vendors.
14. Exercise engineering techniques and skills including teamwork, group presentations, project timelines, and brainstorming techniques.
15. Continue to hone skills related to design, assembly, and detailing using SolidWorks CAD software and EPDM.
16. Stay up to date with available tools such as CFD and mechanical simulation software, rapid prototyping, etc. and utilize as needed.
17. Maintain a strong engineering skill base and awareness of industry trends through trade journals, professional technical classes, seminars, etc.
18. Occasionally help direct the efforts of the Engineering Co-op Students and lab personnel with the guidance of the Director of Engineering.
19. Become familiar with the Liberty Pumps ISO 9001 Forms and Work Instructions as they pertain to his or her efforts.
20. Stay up to date with all Liberty Pumps processes required for tracking projects, documents, etc.
21. You will be expected to operate according to ISO 9001 requirements.
22. Held responsible and accountable to follow safety guidelines, maintain a clean and organized work area, and use good safety judgment. Expected to report all unsafe activities and conditions to the Supervisor and/or Safety Representative.
23. This job description is not designed to cover or contain a comprehensive listing of activities, duties, or responsibilities that are required of the member for this job. Duties, responsibilities, and activities may change at any time with or without notice.

Experience/Skills/Abilities

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. Ability to work with mathematical concepts such as probability and statistical inference, and fundamentals of plane and solid geometry and trigonometry. Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations. Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables. Proficient personal computer skills including electronic mail, record keeping, routine database activity, word processing, spreadsheet, graphics, solid modeling, etc. Able to handle multiple projects simultaneously while managing tasks based on priority. Willing to work

in a team environment and familiar with Design for Manufacturing and Assembly. Self-motivated, capable of taking direction as well as working with minimal supervision and able to mentor others in CAD activities.

Physical Requirements

Moderate physical activity performing somewhat strenuous daily activities of a primarily production/technical nature. Manual dexterity sufficient to reach/handle items, works with the fingers, and perceives attributes of objects and materials. Close vision (clear vision at 20 inches or less). Color vision (ability to identify and distinguish colors).

Working Conditions

Well-lighted, heated, and/or air-conditioned indoor office/production setting with adequate ventilation. Moderate noise (examples: business office with computers and printers, light traffic).

Additional Notes:

Employment is contingent upon successful completion of a physical and drug test.

Equal Opportunity Employer/ Protected Veterans/Individuals with Disabilities