



Power Engineering & Manufacturing Ltd.

2635 WCF & N Dr. ♦ Waterloo, Iowa 50703
Phone (319) 232-2311 Fax (319) 232-6100
E-Mail pem@pemltd.com ♦ <http://www.pemltd.com>

Mechanical Engineer (Product Design Engineer)

Essential Functions:

- Be an innovative solution provider; develop solutions for PEM Customers.
- Responsible for design, development and execution of new products(prototypes).
- Responsible for completion of new product design & development documentation.
- Regularly communicate with customers to determine or clarify product requirements, provide new designs, receive feedback and recommunicate revised designs.
- Support continuous improvement in design and development.
- Ensure the highest levels of quality and customer satisfaction at lowest cost.
- Coordinate with internal departments to ensure design integrity and manufacturability.
- Troubleshoot product nonconformities and customer concerns to prevent recurrence.
- Actively work with supply chain partners regarding material and part selection decisions.
- Research relevant industry trends and design & develop methods for possible incorporation into PEM's best practices.
- Support sales with qualifying leads, developing new opportunities, assigning engineering projects, and other relevant activities.
- Promote a data driven decision making culture.
- Provide effective technical support for external and internal customers.
- Support sales with technical and marketing material using a variety of platforms, e.g., presentations, web content, and key points of interest for onsite tours.
- Identify deficiencies in mechanical processes and developing improvements.
- Develop testing processes and perform testing and validation of new designs.
- Perform engineering calculations to support design work.
- Collaborate with other engineers on engineering team throughout the design process.
- Ensure project timeline is met and project stays within budget.



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Education and/or Experience

- Bachelor's degree in Engineering -Or- An Associate's with 2+ years of experience in a highly technical field with strong mechanical aptitude. 5+ years relevant experience in mechanical engineering design preferred. Equivalent combination of aptitude, background, and experience may be considered.

Computer/System Skills

- Solidworks, Inventor or similar 3D design platform.
- Microsoft Excel
- To perform this job successfully, an individual should have knowledge of
- The ability to learn PEM internal systems (e.g., Made2Manage ERP).
- The ability to develop an understanding of ISO 9001:2015 requirements as they apply to PEM in general and Engineering in particular. Excel, Word, and PowerPoint.
- Microsoft Outlook/email.

Benefits:

Free Medical and Dental insurance on Single and Family plans after 1 full month of employment.
Eye insurance is available for a small premium.
401k and profit sharing after 1-month full month of employment

COVID-19 considerations:

Must be able to wear a face mask