



*Transforming Thought into Process and Product*

**Phone:** 717- 637-5988

## **MACHINE DESIGN ENGINEER**

**CAM Innovation** is searching for an experienced Machine Design Engineer to help us keep growing. If you're hard working, dedicated and like work variety, CAM Innovation is an ideal place to get ahead.

**CAM Innovation** is a 25 person, family-owned, locally operated machinery manufacturer who, for over 100 years in Hanover, PA, has designed and assembled custom machines for clients throughout the world. Our clientele includes the railroad, mining, automotive, renewable energy and most recently the aerospace industries. Our dedicated Team Members takes great pride in the craftsmanship which leaves our shop floor. Our business is growing and we are in need of flexible, experienced team members committed to helping us develop and innovate CAM's products and services.

### **Job Summary:**

Works with the Sales Team and our clients to identify the project goals. Uses existing designs or proposes new ones to create a concept and machine details that meet the client's requirements. The machines are large, fabricated structures with servo motor driven motions and sensors for precise movements. The jobs includes modifying legacy machines to match a client need and creating new designs to match a client process or workpiece.

### **Responsibilities:**

- Deliver machine and component designs in line with company procedures to match the clients' requirements.
- Uses Solidworks to develop and document the design.
- Work collaboratively with colleagues in Engineering, Sales and Manufacturing to produce reliable designs.
- Calculate factors like tolerances, torques, dimensions, and thermal and structural analysis.
- Use client and Sales Team feedback and data to upgrade, improve or repair the company's existing machines.
- Provide support to manufacturing department during the building and installation process, ensuring that the machine is built properly and according to design specifications.
- Finalize designs, Bill of Materials, and component selection for the purchasing and manufacturing departments.

- Analyze current engineering methods used within the company to develop steps and processes to improve
- Document and monitor requirements needed to institute proposed updates in relation to client experience
- Assist other department engineers with their projects.
- Account for possible project challenges or constraints and proactively seek solutions.
- Provide detailed specifications and budget for proposed solutions including time and cost involved
- Define clear goals for all aspects of a project and develop steps for their proper execution

**Required Skills/Abilities:**

- Demonstrated success in designing machinery and mechanical systems
- Ability to work with various departments to facilitate the orderly execution of a propose project plan
- Project management skills are essential

**Education and Experience:**

- Bachelor's degree in Mechanical Engineering or related engineering field.
- Five (5) years of experience in developing machines and mechanical system.
- Experience with Solidworks or similar 3D design software and with Microsoft office products

If your passion is to build and design high quality machine tools, **CAM Innovation** is the place for you to consider. Send resumes to: [careers@caminnovation.com](mailto:careers@caminnovation.com)