



Mechanical Engineer

Job Description:

Design, create, and analyze 3D cad models, produce associated manufacturing drawings, and document manufacturing and assembly procedures for complex mechanical systems used in industrial, automotive and aerospace test stands.

Qualifications:

- A Bachelor of Science in Mechanical Engineering (or similar).
- Extensive knowledge of mechanical engineering fundamentals including machine design, materials selections, stress analysis, thermal analysis, statics analysis, dynamics analysis, applying ANSI Y-14.5 geometric tolerances to design prints and general manufacturing processes.
- Proficient with Solidworks design software at creating 3D cad models.
- Able to read, interpret, correct and create manufacturing drawings.
- Capable of working on multiple projects at once.
- Strong problem solving skills.
- High attention to detail.
- Working knowledge of Microsoft Office software including Microsoft Project.
- Able to deliver results in both supervised and unsupervised environments.
- Good verbal and written communications skills in English.
- Design experience with rotating machinery, power transmission and hydraulics is desirable.
- Hands on experience with machine assembly and repair is desirable.

Responsibilities:

- Design and create 3D cad models of parts and assemblies.
- Analyze various physical properties of designed components.
- Produce manufacturing drawings with appropriate geometric dimensions and tolerances.
- Correct and revise existing manufacturing drawings.
- Document engineering and manufacturing procedures as required.
- Research new products and procedures as required.
- Effectively receive information from your supervisors for a given project, develop further information as required through contact with customers or company personnel.
- Deliver results when expected in accordance with project schedules.
- Track your labor time.
- Upgrade job skills required to improve performance both at company expense and your own.

***Disclaimer:** The above statements are intended to describe the general nature and level of work being performed by people assigned to this position and to serve as a guideline for job performance evaluation. They are not to be construed as an exhaustive list of all responsibilities, duties and skills required of personal so positioned. All personal may be required to perform duties outside of their normal responsibilities from time to time, as needed. Additionally, the job description may change to satisfy the company's current requirements.

_____ Employee Initials



BURGI
ENGINEERS LLC

I have read and understand this job description.

Signature: _____

Date: _____

Name: _____

(Please Print Name)