



# CAD Designer

**Classification:** Nonexempt

**Salary/Wage Range:** D.O.E.

**Reports to:** Phil Sollami

## **JOB DESCRIPTION (Summary):**

Uses CAD equipment to provide support to engineers and sales team by preparing routine layouts, detailed parts drawings, assembly drawings, sketches and diagrams. Details to include all views and dimensions necessary to manufacture designed parts. Makes copies of drawings and maintains information regarding changes to database. Has a solid understanding of CAD techniques and uses of engineering terminology. Possesses mechanical aptitude with ability to complete mathematical calculations. Associate or Bachelor degree including a degree in computer aided design, and/or equivalent experience and training. (An Industrial Technology degree is desirable.) An understanding and use of FEA software in addition to other stated requirements.

### **Essential Functions**

1. Proficient in Design/CAD (SolidWorks, Pro-E, etc...) software.
2. Understanding of Basic Ladder Logic Programming.
3. Creates, Designs, and revises production drawings.
4. Makes proposed drawings, checking dimensions, materials to be used, relation of one part to another, and relationship of various parts to whole structure.
5. Requires knowledge of various manufacturing machines, engineering practices, mathematics, building materials and other physical sciences to complete drawings.
6. Sets up and maintains an organized file system.
7. Converts existing production drawings to SolidWorks, or PRO-E.
8. Communicates with tooling, QA, engineering and manufacturing regarding work in progress.
9. Knowledge and use of FEA software a plus.

### **Competencies**

1. Technical Background.
2. Communications Proficiency.
3. Problem Solving/Analysis.
4. Collaboration Skills.

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## **Supervisory Responsibility**

This position has no supervisory responsibilities at this time.

## **Work Environment**

Clean work environment- office setting. Also required to do evaluations on the shop floor.

## **Physical Demands**

While performing the duties of this job, the employee is regularly required to sit. The employee is also required to walk on the shop floor; reach with hands and arms; and talk or hear. The employee may be required to lift or move objects up to 10 pounds and occasionally lift or move objects up to 25-50 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision and ability to adjust focus.

## **Position Type/Expected Hours of Work**

This is a full-time position, with a minimum expectation of 40 hours per week.

## **Travel**

There is no anticipated overnight travel for this position at this time, except for occasional advanced class training. Some local day travel may be required.

## **Required Education and Experience**

1. Minimum of Associate's degree or equivalent from two-year Accredited College or technical school; or three (3) years of related experience and/or training; or equivalent combination of education and experience.
2. Industrial Technology degree is preferred with a minimum three (3) years on-the-job experience.
3. Machine Shop experience preferred, and/or knowledge of manufacturing practices.

## **Other Duties**

Please note, this job description is not designed to cover or contain a comprehensive listing of all activities, all duties or all responsibilities that are required of the employee for this job. Duties, responsibilities and activities may change at any time with or without notice.

\*This is a safety sensitive position. Candidate must have the ability to work in a constant state of alertness and safe manner.