



# DYNAMIC DESIGN SOLUTIONS

Automation - Fabrication

*Electrical Design Engineer*

**Dynamic Design Solutions (DDS)** solves the manufacturing industry's most challenging problems with unique and creative solutions. Trusted by some of the largest and most influential manufacturing companies in the world, the DDS team of dedicated professionals delivers unique, high-quality, custom designed automation equipment.

## **Reports to**

VP of Operations

## **Summary**

Produce complete controls solutions and electrical design packages based on customer specifications, and standardized design practices.

## **Essential Functions**

- Work with Mechanical Designers during design process to create a control system that will enable the machine to perform its intended function safely and reliably.
- Formulate and produce complete electrical design package which include detailed schematics, cable routing diagrams, panel layouts, bills of materials, and material requisition forms, based on standard specifications, and the customer's requirements.
- Specify all electrical and controls related hardware/software and produce requisition forms for material purchases.
- Work with other members of the internal team to continuously improve methods of integrating controls technology to ensure enhanced safety and functionality are maintained and labor/material budget and schedule is met.
- Integrate third party equipment and electronic component entry into electrical design package, such as, serial communications, hardware handshaking, opto isolation, electrical and ultrasonic welding applications, vision systems, motion control products, transducers, and signal conditioners.
- Verify the electrical design package is complete, accurate and safe based on sound design practices and accepted standards, and the I/O lists meet program requirements prior to issue to shop floor.
- Work directly with the Controls Lead in the development of the electrical schedule and budget hours.
- Accurately create electrical project status reports.
- Work with project managers, customers, designers, toolmakers, and electricians to solve problems in order to provide the customer with a complete functional system.
- Follow all procedures and work instructions as defined in the ISO 9001 Quality Management System.

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



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### **Education and Experience**

1. BS Degree in engineering or equivalent experience preferred.
2. Five years' experience as an Electrical Designer.
3. Provides performance competency knowledge to perform the essential positions functions.

### **Management Responsibilities**

This position has no direct reports.

### **Position Classification**

This is a full-time, exempt salaried position. Overtime and/or weekend work will be required depending on project.

### **Travel**

Travel is required to customer sites as deemed necessary dependent on the project scope.

### **EEO Statement**

It is the policy of Dynamic Design Solutions Inc. to provide equal employment opportunities to all persons. In accordance with anti-discrimination laws, it is the purpose of this policy to effectuate these principles and mandates. DDS prohibits discrimination and harassment of any type and affords equal employment opportunities to employees and applicants without regard to race, color, religion or belief, national, social or ethnic origin, sex (including pregnancy), age, physical, mental or sensory disability, HIV status, sexual orientation, gender identity and/or expression, marital, civil union or domestic partnership status, past or present military service, family medical history or genetic information, family or parental status, or any other status protected by the laws or regulations.

**I acknowledge that I have received, reviewed and understand the job description.**

**Name:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_