

MODERN MACHINERY

ELECTRICAL CONTROLS ENGINEER JOB DESCRIPTION

Job Summary

This position reports directly to the President and is responsible for developing and maintaining machine control programs and HMI, electrical schematics, and bill of materials.

Job Description

1. Develop and maintain control programs and HMI programs for all machinery designs.
2. Develop and maintain electrical schematics and bill of materials for all machinery designs.
3. Work with technicians for initial machinery start up at customers' site.
4. Assist with training and support of customer onsite and/or via remote connection.
5. Operates the equipment in a safe manner and reports hazards associated with the equipment or its operators to the Supervisor.
6. Follows required procedures and uses appropriate method of storing and back up of technical information on company server.
7. Maintains/produces a level of output that will minimize production delays.
8. Cleans and maintains an orderly work area.
9. Communicates effectively with other workers to direct personal workflow.
10. Assist other individuals in area when needed.

Knowledge, Skills, and Abilities

- Familiarity of Auto Cad for development of electrical schematics.
- Knowledge of ladder logic, flow chart, and visual basic programming languages.
- Knowledge of profibus network configurations.
- Familiarity with servo drives and other closed loop positioning control systems.
- Familiarity with automation products used in industrial control systems including industrial PC's and data acquisition boards.
- Knowledge of PC and PLC programs preferred.
- Knowledge of electromechanical devices, electrical or industrial motor controls or circuitry, digital and analog circuits, soldering techniques, fundamentals of electronics.
- Good communications skills relative to supervisor and other related departments.

Requirements

- Associates Degree and 5 years experience.
- Must have valid drivers license.
- Must have ability to obtain passport.
- Travel & Occasional over time.
- This job description describes the general nature and level of work expected of a person assigned to this position. All job requirements listed indicate the minimum level of knowledge, skills and/or ability deemed necessary to perform the job proficiently. Employees may be required to perform any other job-related duties as requested by their supervisor.