



Controls Engineer

Job Description:

Wilmington Machinery has an immediate opening for an experienced Controls Engineer. The Controls Engineer will perform various types of electronic work to include: researching, designing, developing, programming, and testing the electrical components in the development of machines for worldwide customers. This is a full-time opportunity offering a competitive salary and an excellent benefits package.

Responsibilities:

- Work in conjunction with Programming Engineer to specify and develop interface between hardware and software
- Provide knowledge of current electrical controls and components and how to apply them towards machine control
- Provide knowledge of machine tool wiring practices, color coding, etc. and how to apply
- Review customer requirements and develop products to meet those requirements while designing for manufacturability
- Design electrical panels
- Select electrical/electronic components
- Perform PLC programming and checkout
- Program standard HMI platforms to function as the interface with the PLC/Control system in use
- Design, install, and improve engineered electrical control systems
- Be involved in and possess knowledge for plant power distribution, AC and DC motors and controls, PLC and HMI programming, and AutoCAD
- Provide working knowledge of safety standards and how to apply towards machine control
- Provide technical assistance in diagnosis of electrical malfunctions
- Provide assistance to manufacturing electrical personnel, when directed, to be sure work conforms to all applicable standards and good practices
- Design schematic drawings for delivery with newly designed manufacturing equipment

Education Requirements:

- Bachelor's degree in electrical engineering

Desired Background/Skills:

- Five years' experience in a similar position

**Qualifications:**

- Proficiency in all programming and troubleshooting aspects of PLC and PanelView operator interfaces
- Ability to read, program, and troubleshoot PLC ladder logic or other PLC based machine codes to resolve complex problems and/or optimize machine performance
- Strong verbal and written communication skills including the ability to plan and conduct meetings and training sessions
- Strong ability to analyze and interpret data and demonstrate excellent problem-solving skills
- Ability to work independently with minimal supervision
- Ability to work productively with others in a team environment
- Integrity and respect displaying a high degree of tact and diplomacy

Other Information:

- Controls Engineer must pass pre-employment drug screening and background check