

## AUTOMATION ENGINEER

### Position Summary/Objective

This position helps to improve the human and machine interface to improve productivity of the plant. The automation engineer helps to design and modify existing equipment to maintain its effectiveness. The engineer plays a key role in the ongoing improvement planning of the facility and of existing equipment. The engineer will also assist in the design and development of conductor manufacturing and processing equipment evaluation.

### Essential Functions

- Communicate with internal stakeholders about requirements
- Responsible for developing automation and control systems for Industrial Equipment and rolling of copper rod
- Research and design automation technology
- Design and program logical PLCs, drive systems
- Design databases and write custom computer programs for Champlain
- Apply standard procedures to trouble shoot mechanical and electrical components, diagnose and resolve issues
- Create project manuals and electrical schematics using CAD
- Develop cost estimates and proposals for electrical systems
- Develop an in-depth knowledge for all wire mills systems such as fluid systems, operations, maintenance, material handling and hands on machine operations. (WMO)
- Assist with on-site commissioning of all parts of the WMS (Wire Mills System)
- Create and establish a connection between information inputs, controllers and outputs
- Establish monitoring and quality assurance processes
- Handle defects or errors in technology
- Improve efficiency for human workers or other system
- Maintain the effectiveness of the installed automation equipment
- Develop new and existing products and processes to ensure a quality product
- Work with other members of the organization to achieve company goals

### Competencies

- Bachelor's degree in Electrical Engineering or related engineering field is required
- 3-6 years of experience, (compensation will be based on experience) but candidates must have industrial experience, such as Industrial processing equipment, AC and DC drivers, PLC's, maintenance and/or operations (or similar industry)
- Must be able to read, develop, and design electrical documentation for existing and new equipment
- Able to develop and implement enhancements to existing automation technology to improve long term productivity of the plant
- Able to create new documentation to support the changes in systems and required maintenance procedures
- Utilize computers and PLC coding programs to make changes and enhance current performance and replace legacy equipment
- Utilize computers to communicate and work with others effectively (Bilingual English – Spanish is a plus)

### **Supervisory Responsibility**

This position does not have supervisory responsibilities.

### **Physical Demands**

- Prolonged periods of sitting at a desk and working on a computer.
- Working on the floor for extended period of time standing.
- Must be able to lift 30 pounds at times.

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

This is a full-time position. Days and hours of work are Monday through Friday, 8:00 a.m. to 5:00 p.m., 40 hours per week. Occasional evening and weekend work may be required as job duties demand.

### **Travel**

Occasional travel is expected for this position.

### **Education and Experience:**

Prior in the automation of equipment is required. A formal 4 year degree is preferred with improvements within manufacturing environments and equipment.