



**Position:** Controls Technician  
**Reports To:** Assembly Manager

**Job Description:**

Under general supervision, perform start-up, maintenance, service, troubleshooting, inspection, and monitoring of machine tool and automation equipment. Main responsibilities include debugging the electrical systems but will also need to work with mechanical and fluid personnel to setup, verify, and troubleshoot entire system.

**Core Competencies:**

- Ability to understand and troubleshoot electrical schematics.
- Relate principles of electrical circuits to mechanical and fluid systems.
- Ability to understand and troubleshoot PLC ladder diagrams.
- Ability to understand and troubleshoot CNC programs.
- Technically competent with strong analytical capabilities.
- Good written and verbal communication skills.

**Preferred Competencies:**

- Experience with Allen Bradley PLC's including RSLogix and Factory Talk Studio programming software.
- Experience with Siemens PLC's and/or CNC's including Step 7 and WinCC programming software.
- Experience with Fanuc CNC's including Fladder and Fapt Picture programming software.
- Experience with robotics.

**Education/Experience:**

- A minimum of a two year Electrical Engineering Technology (EET) degree or five years' experience in a similar field.

## Electrical Technician Job Description

### **Duties and Responsibilities:**

- Provides technical assistance during assembly, installation, and service support.
- Responsible for communicating all engineering modifications and corrective action for documentation.
- Power-up, setup, and troubleshoot machine control systems.
- Assists in diagnosis of machine problems including fluids, pneumatics and mechanical systems.
- Reviews and verify accuracy of control drawings before final release to customer.
- Assists software designer in debugging logic on machine.
- Communicates regularly with the appropriate manager regarding schedule and machine status.
- Assists in the preparation of controls instruction manuals and training.
- Assists in training new employees for specific job knowledge in all areas.
- Identify and support continuous improvements of our operations and products.
- International and domestic travel is required.

**Approval Signatures:** \_\_\_\_\_  
Manager of Mfg. – Ingersoll Production Systems

\_\_\_\_\_  
Date

\_\_\_\_\_  
Human Resources

\_\_\_\_\_  
Date

The above description covers the most significant duties performed but does not exclude other occasional work assignments, requirements, or working procedures inherent in this job.