

Electronics Controls Technician

Function: The Electronic Controls Technician provides support to the Maintenance, IT, and Manufacturing departments. Support duties include solution implementation by troubleshooting, programming PLC, HMI, and Vision systems, and by use of various types of equipment in manufacturing.

Essential Duties and Responsibilities:

- Assist Engineers, Process Technicians, and manufacturing personnel with the planning, development, and implementation of fixtures and equipment.
- Identify & diagnose problems with mechanical & electrical systems that control production
- Troubleshoot issues with automated programming, PLC, HMI and Vision Systems.
- Setup, configure, & maintain Ethernet controlled equipment
- Create equipment Bill of Materials (BOM) and make recommendations for spare parts needed in the preventative maintenance schedule.
- Provide equipment training to Supervisors, Lead Personnel, Shift Trainers, and other staff
- Identify equipment needs / requirements and assist with obtaining quotes as needed.
- Promote and contribute to Lean Manufacturing planning within the Company.
- Cooperate directly with the electrical shop to troubleshoot & repair control systems
- Contribute to the quality improvement processes and commit to customer satisfaction.

Knowledge, Skills and Abilities:

- Two-year Technical Degree required, preferably in Automation, Electronics, or Information Technology.
- Ability to read, program, upgrade and troubleshoot PLC ladder logic or other PLC-based code to resolve complex problems and/or optimize machine performance.
- Experience with Cognex, Keyence, & Dalsa vision software with an understanding of line scan & area scan systems Knowledge with programming ladder logic in rslogix 500/5000 along with FactoryTalk Studio
- Ability to wire and troubleshoot control panels and electrical circuits using schematics.
- Demonstrated mechanical aptitude and creative problem solving skills.
- Strong computer skills and basic networking knowledge required.
- Ability to use CAD/CAM software; Master Cam and Solid Works are preferred.
- Experience with PLC & HMI programming; Allen Bradley preferred.
- Proficiency with Vision systems; Keyence and Teledyne-Dalsa preferred.
- Knowledge of model predictive control (MPC) systems and software.
- Ability to communicate effectively and report technical information.
- Project management experience desired; ability to meet and manage deadlines.
- Must be self-directed with the ability to work independently and perform cooperatively with others.