



JOB DESCRIPTION

Date:
Job Title: Mechanical Electrical Assembler
Reports to: Shop Supervisor
Family: Production
FSLA Status: Full Time, Non-Exempt

Job Objective

The individual will be responsible for building, wiring, and testing control panels as well as fitting, assembling, and wiring electromechanical equipment and machines.

Job Duties and Responsibilities

- Installs conduit, electrical wiring and assembles components in control cabinets, electrical and industrial equipment, and related industrial apparatus, according to blueprints wiring diagrams.
- Work from electrical drawings, schematics, wiring diagrams, written, verbal, and own knowledge for determining location and placement of electrical assemblies, conduit, fittings motors, controls and components.
- Lay out, plan and perform a wide variety of wiring and shop floor assembly installations consisting of but not limited to mechanical fastening of electronic/electrical components to electrical panels and electrical enclosures.
- Cut, route wires to various circuits. Check for continuity, proper markings and circuit integrity. Verify work performed by making static and/or simulated operational test to determine proper component or sequential circuit performance to meet machine operational requirements.
- Complete point-to-point machine and conveyor wiring.
- Use common assembly, hand and power tools, drills, conduit benders, pipe threading equipment and measuring devices such as volt meters and continuity testers as required.
- System testing consisting of checking input/output to all devices, verify correct operations of devices and systems.
- Verify parts are free of flaws, defects, or imperfections and meet all dimensional requirements as specified on drawings.
- Assist Engineering with machine testing and factory acceptance testing as needed
- Assist with all shipping functions, including building skids and/or crates as needed
- Use forklift as needed for material handling tasks.

- Maintain forklift training and certification.
- Assist in maintaining grounds and facility as needed.
- Other duties may be assigned.

Knowledge, Skills and Abilities

- 1-3 years of experience or equivalent combination of education and experience in the layout, assembly, wiring, and testing of PLC electrical control panels from prints.
- Able to read and interpret instructions, blueprints and electrical specifications and schematics as required.
- Familiarity and working knowledge of 110v single-phase circuitry to 480v three phase, as well as AC and DC servo drives.
- Comfortable with both electrical and mechanical machine assembly.
- Familiarity with mechanical and electrical tools and equipment.
- General mechanical aptitude for the assembly process.
- Strong power and control wiring aptitude.
- The ability to work with and understand electromechanical functionality.
- Industrial equipment wiring experience a must (conduit, sensors, disconnects, etc.)
- Attention to detail and ability to learn quickly