Job Description

Title: Electrical Maintenance Technician
Reports to: Plant Manager
Department: Maintenance
Shift: Any
Supervises: N/A

Apply electrical related knowledge to test, diagnose, maintain, repair and modify developmental or operational electrical machinery and electrical control equipment and circuitry in facility. Work requires an in-depth knowledge of various trades. Performs a wide variety of electrical and electronic maintenance and service work on sophisticated electronic equipment, machines and/or controls. Diagnoses and remedies electrical troubles, repairs and replaces equipment. Installs, maintains, and/or repairs equipment.

Duties to include but not limited to:

- Inspects and checks equipment for proper operating condition, makes necessary adjustments, logs test readings, and maintains, repairs, or replaces all essential equipment parts.
- Familiar with machine networking process
- Capable of working with outside contractors for trouble shooting procedures
- Understanding of CNC machining programming and operation
- Knowledgeable of OSHA machine operation and programming systems
- Capable of training others in the above requirements
- Self motivated person that work with little direction
- Understanding urgency to trouble shoot machines and bring production back on line
- Performs miscellaneous maintenance duties as required.
- Read blueprints, hydraulic and pneumatic schematics, mechanical/electrical diagrams, and technical orders to determine methods and sequences of assembly.
- Align, fit, and assemble component parts, using hand tools, power tools, fixtures, templates, and microscopes.
- Operate metalworking machines to fabricate housings, jigs, fittings, and fixtures.
- Repair, rework, and calibrate hydraulic and pneumatic assemblies and systems to meet operational specifications and tolerances.
- Prepare parts sketches and write work orders.
- Review project instructions and specifications to identify, modify and plan requirements fabrication, assembly and testing.
- Devise, fabricate, and assemble new or modified mechanical components for products such as industrial machinery or equipment, and measuring instruments.
- Analyze test results in relation to design or rated specifications and test objectives, and modify or adjust equipment to meet specifications.
- Confer with engineers and other personnel to implement operating procedures, resolve system malfunctions, and provide technical information.
- Research, evaluate, install, operate, and maintain mechanical products, equipment, systems and processes to meet requirements, applying knowledge of engineering principles.
- Investigate equipment failures and difficulties to diagnose faulty operation, and to make recommendations.
- Oversee installation, operation, maintenance, and repair to ensure that machines and equipment are installed and functioning according to specifications.
- Conduct research that tests and analyzes the feasibility, design, operation and performance of equipment, components and systems.
- Perform preventative maintenance and calibration of equipment and systems.
- Identify and resolve equipment malfunctions, working with manufacturers and field representatives as necessary to procure replacement parts.
• Maintain system logs and manuals to document testing and operation of equipment.
• Strict adherence to lock out tag out procedures

Technical Skills and Work Experience:

• Requires experience in electrical installation and maintenance work on plant electrical systems and equipment
• Proficient in PLC programming and troubleshooting
• Experienced with remote IO design and operation
• Experienced with robot programming and troubleshooting
• Experienced with AC/DC drive motor operation, adjustment, and troubleshooting
• Experience with Siemens PLC and electrical operation a plus
• Requires a broad knowledge of controls and mechanisms.
• 5+ years of experience in the electrical maintenance field
• Strong knowledge of plant maintenance
• Maintain working knowledge of state-of-the-art tools or software by reading or attending conferences, workshops or other training.
• The ability to work in a team environment, which includes being self-motivated, accepting responsibilities, completing assigned action items, and participating in a proactive manner in all team events.
• Degree in technical field is a plus but not required
• Good problem solving skills are very important!
• Good interpersonal and communication skills required

Authorization Level:

• Able to stop machinery when problems are present

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Employee Signature

***Must be willing to travel to Germany for training***