

<b>Position title</b>	AME Engineer
<b>Reporting to</b>	PE Manager
<b>Department/Section</b>	PE

### **Purpose of the position**

The main purpose of this position is leading the introduction (NPI), debugging, and sustaining of complex automated manufacturing system. You will be responsible for the electrical and software stability of production equipment, including Robotics, PLCs, AOI system, and AGVs. You will not only directly troubleshoot controls issue, but also introduce latest technology to minimize downtime and optimize cycle time.

### **Duties and Responsibilities**

- Analyze the causes of failures: Use professional analysis techniques and tools to conduct a comprehensive and in-depth inspection and analysis of failed products, and determine the root causes of product failures, including design defects, material problems, manufacturing process deviations, environmental factors, etc.
- Automatic & Mechanical Equipment Introduction
  - Participate early-stage Design for Manufacturability (DFM), equipment evaluation/design/development and DOE verification assembly process.
  - Push EQ improvement to increase assembly yield and meet customer targets
- Automatic & Mechanical Equipment Installation & Debug
  - Push vendor's equipment setup/installation/debug at NPI. Analyze causes of equipment failures and promote resolution.
  - Push EQ preventive improvement to reduce downtime & ensure production continuity.
- Equipment Maintenance in MP Stage
  - Machine trouble shooting and yield improve during maintenance phase. EQ spare parts management (optimal inventory & Risk alert)
- Automatic & Mechanical Equipment Assets Management
  - Evaluate, establish and sort EQ lists; EQ IQC and EQ storage at WH, equipment inventory and storage management
  - Formulate EQ maintenance plans, share maintenance experience and organize technician training

### **Education and work experience**

- Bachelor's degree in Electrical Engineering, Mechanical Engineering, Industrial Engineering, Manufacturing Engineering, or related field.
- 3+ years of electrical maintenance experience in manufacturing, background in automotive electronics, semiconductor, or precision assembly industries preferred.
- Experience in robotics, AGV, AOI, or related specialized fields is highly preferred.
- AI implementation experience in automation environments is preferred.

### **Skills:**

- Proficient in Mitsubishi/Omron/Siemens PLC programming and commissioning, experience in parameter configuration and troubleshooting of VFDs and servo drives.
- Able to read electrical schematics and wiring diagrams; familiar with low-voltage power distribution systems.
- Strong problem-solving and research capabilities, cross-team communication skills.

- Language Fluent in English.

**Working conditions**

- This role is primarily based in a fast-paced, high-volume manufacturing facility, requiring daily presence on the production floor to control product yield/quality.
- May require occasional weekend hours to support production deadlines, emergency repairs, or project implementations.