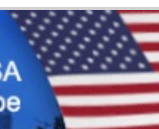




JAC Recruitment

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USA



## PR/086705 | Senior Electrical Controls Engineer

### Job Information

**Recruiter**[JAC Recruitment USA](#)**Job ID**

1541186

**Industry**

Other (Manufacturing)

**Job Type**

Permanent Full-time

**Location**

United States

**Salary**

Negotiable, based on experience

**Refreshed**

June 17th, 2025 08:01

### General Requirements

**Minimum Experience Level**

Over 3 years

**Career Level**

Mid Career

**Minimum English Level**

Business Level

**Minimum Japanese Level**

Business Level

**Minimum Education Level**

Associate Degree/Diploma

**Visa Status**

No permission to work in Japan required

### Job Description

**COMPANY OVERVIEW**

Our client of packaging machine manufacturing company is seeking a Senior Electrical Controls Engineer.

**RESPONSIBILITIES**

- Design and layout electrical control panels, ensuring compliance with UL508A and NEC standards.
- Select and integrate sensors, pneumatic control components, and commercial automation products (e.g., photo sensors, vision systems, hot melt systems).
- Develop, modify, and debug PLC, HMI, and Kinetix servo motion control programs.
- Create electrical schematics and bills of materials based on project requirements.

- Read and interpret customer specifications and modify machine electrical schematics accordingly.
- Work closely with Mechanical Engineering teams to integrate electrical and mechanical components.
- Troubleshoot control systems over the phone and on-site with customers.
- Travel to customer locations for system installation, modifications, and aftermarket electrical control support (up to 30% travel).
- Train and mentor entry-level Electrical Controls Engineers.
- Assist in the development of engineering standards and procedures for control systems.

## REQUIREMENTS

- Bachelor's degree in electrical engineering, Electrical Engineering Technology, or a related field.
- 5+ years of experience in Allen-Bradley PLCs, HMI development, and AutoCAD.
- Strong background in machine automation, electrical schematic design, and motion control systems.
- Proficient in AutoCAD for electrical design; experience with SolidWorks Electrical is a plus.
- Familiar with commercial automation products such as photo sensors, pneumatics, and vision systems.
- Experience in PLC programming, HMI development, and multi-axis coordinated motion control.
- Solid understanding of machine timing and industrial wiring concepts.
- Strong electro-mechanical skills with a hands-on approach to system troubleshooting.
- Excellent organizational and communication skills, with the ability to work independently and as part of a team.

## SALARY & Benefits

USD \$120,000~ DOE and discretionally bonus

## OTHERS

Work location: Elk Grove Village, IL (Onsite)

#LI-JACUS #LI-US #countryUS

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Company Description