



robotics.
innovation.
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automation redefined™

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AUTOMATION TECHNICIAN (Electrical and Controls)

DEMCO Automation is a regional leader in designing and constructing automated assembly systems for the medical device, electronics, pharmaceutical, automotive, and consumer products industries. We are located in Quakertown, PA, and searching for an Automation Technician (Electrical and Controls) to join our team:

Experience & Requirements:

- 2-4 years minimum experience in assembling and wiring electrical control panels and field wiring for industrial equipment applications.
- Drill, assemble, and install components using supplied engineering layout, schematic, BOM, or instruction.
- Pre-wire panel assembly (wire-way, terminal blocks, relays, power supplies, etc.) on the bench and installed into the equipment frame for final wiring of sub-assemblies.
- Execute field wiring of automated equipment and perform work verification.
- Proficient in reading electrical drawings with little or no assistance.
- Basic knowledge of PLC and PC-based control systems.
- Use proper wire lengths and connectors to maintain a clean assembly.
- Apply proper stripping and crimping techniques to ensure good electrical connections.
- Ability to tighten connections with the appropriate tools.
- Use best practices for wiring, safety, and cleanliness.
- Layout, drill, and punch holes in various enclosures following an engineering print/layout.
- Apply precision measurements using measuring tape, square, scale, micrometers.
- Capable of using a multimeter, to check continuity, voltage, and current.
- Familiarity with pneumatic cylinders, sensors, transducers, motors and other equipment-related components

General Requirements

- Operate fork truck and/or pallet jack equipment as needed.
- Have the ability to lift 75 pounds and the ability to stand for 8 to 10 hours a day.
- Able to work in a fast paced, changing environment.
- Work in a team environment with customers, engineering, management, and manufacturing personnel to provide innovative solutions.
- Detail oriented, good math and communication skills.
- Ability to multitask, prioritize and organize.
- Punctual, professional, and work well in a team environment.

Roles & Responsibilities:

- Wire, test, and/or assemble various machine elements within custom automated assembly systems including areas such as electrical component wiring (24VDC through 480VAC), mounting brackets, safety guarding, machine frames, pneumatic/motor-driven actuators.
- Assemble electrical sub-assemblies, junction boxes, control enclosures, safety guarding, and basic debugging.
- Perform other duties as requested from time to time to fulfill company goals and objectives.

Customer Service

- Travel (fly and/or drive) on occasion to job sites for set-up, operations and removal of equipment.
- Interact with customers, suppliers, and other individuals inside and outside of the company.
- Diagnose and troubleshoot equipment-related issues both on-site and remotely.