JOB DESCRIPTION
PANEL & CABLE ASSEMBLER

Job Title: Panel and Cable Assembler

Department: Production
Location: 100 Chaddick Dr, Wheeling, IL 60090
Reports To: Assembly Supervisor/Production Manager

Job Summary:

The Panel and Cable Assembler is responsible for assembling electrical control panels and cable harnesses according to detailed specifications and engineering drawings. This position requires a high degree of precision, attention to detail, and the ability to work with various tools and materials to ensure the finished product meets quality standards and functionality requirements.

Key Responsibilities:

1. **Panel Assembly Tasks:**
   - Assemble electrical control panels, switchgear, and other related products according to engineering drawings, schematics, and work instructions.
   - Install components such as circuit breakers, transformers, relays, contactors, and wiring within the panels.
   - Ensure that all connections are secure and meet quality standards.
2. **Cable Assembly Tasks:**
   - Measure, cut, and strip wires to specified lengths and dimensions.
   - Crimp, solder, or connect terminals and connectors to wire ends according to specifications.
   - Assemble and route cables and wire harnesses in compliance with technical diagrams and schematics.
   - Apply labels, heat shrink, and other identification markers as required.
3. **Quality Control:**
   - Inspect and test completed panels and cable assemblies to ensure they meet required specifications and standards.
   - Identify and correct any assembly errors or defects.
4. **Technical Skills:**
   - Interpret electrical schematics, blueprints, and technical diagrams.
   - Utilize hand and power tools, such as screwdrivers, wire strippers, crimpers, soldering irons, and drills.
   - Perform precise measurements using tools such as calipers and multimeters.
5. **Safety and Compliance:**
   - Follow all safety protocols and procedures to ensure a safe working environment.
   - Comply with company policies, procedures, and regulations, including OSHA standards.
6. **Documentation:**
   - Complete assembly logs, quality control checklists, and other required documentation accurately and promptly.

    - Communicate with the engineering team and supervisors regarding any issues or discrepancies.
7. **Collaboration:**
    - Work effectively within a team environment, collaborating with other assemblers, engineers, and supervisors to ensure efficient production flow.
    - Participate in continuous improvement initiatives and suggest enhancements to processes and procedures.

Qualifications:

- **Education:** High school diploma or equivalent; technical training in electrical assembly or related field preferred.
- **Experience:** Previous experience in electrical panel and cable assembly or a similar role is highly desirable.
- **Skills:**
    - Proficiency in reading and interpreting electrical schematics and technical drawings.
    - Strong manual dexterity and hand-eye coordination.
    - Basic understanding of electrical principles and wiring practices.
    - Attention to detail and a commitment to producing high-quality work.
- **Physical Requirements:**
    - Ability to lift and move up to [specify weight, e.g., 50 pounds].
    - Ability to stand for extended periods and perform repetitive tasks.

Working Conditions:

- Work is performed in a manufacturing environment with exposure to various tools and machinery.
- Use of personal protective equipment (PPE) such as safety glasses, gloves, and ear protection may be required.

Company Overview:

Precision Zone Inc. is a leading US industrial electronics company serving customers worldwide. We are a progressive company with innovative ideas and services to assure a high level of customer service. We provide sales and services for a wide variety of industrial controls and equipment used in manufacturing and other industrial applications. Our services include selling new and surplus industrial automation, motion, electronic, hydraulic, and electrical control components and equipment. Precision Zone Inc. provides full component level repairs for all industrial electronic and electrical equipment. We repair inverter, spindle and servo drives, power supplies, circuit boards, monitors, encoders, motors, motion control and many other devices used in CNC and industrial automation applications. Our company is looking for talented people to join our team.

This job description outlines the primary duties and responsibilities of the Panel and Cable Assembler position but is not exhaustive. Additional tasks may be assigned as needed to support the company's objectives and initiatives.