

Electrical Design Engineer 1

Contact: Human Resources

Apply online at www.parkindustries.com

POSITION SUMMARY

The Electrical Design Engineer 1 is responsible for product development, management and improvement of electrical controls design of new products to meet the needs of sales, service, operations and customers.

ESSENTIAL FUNCTIONS

- Reviews drawings, specifications, or proposals to insure conformity for both Park Industries products.
- Participates in new product design teams using NPD stage-gate processes on new product introductions.
- Works closely with manufacturing to ensure prototype machines are built to specification.
- Supports Product Managers, Technical Trainers, panel shop, and other departments/associates, as required.
- Loads, tests, modifies and troubleshoots electrical programs.
- Assists in the development of new product profiles to determine product feasibility within budget constraints.
- Designs and engineers new products focusing on ability to manufacture, product function, and product safety.
- Completes and produces machine designs, minimizing warranty issues and within the scheduled timeframe.
- Demonstrates machine operation as required to support training and installation, and service needs.
- Functions as liaison with customer for problem resolution.
- Provides guidance to customer service to resolve electrical trouble-shooting issues.
- Recommends correction actions in customer problem resolution.
- Completes RFQ (Request for Quotes) forms on special electrical requests.
- Provides support to Training and Installation departments as required.
- Assists R&D by building first electrical panels for new control systems.
- Travels to customer site to assist with machine start-up, installation, trouble-shooting, and customer training, as required.
- Interacts with customer representatives, providing engineering expertise as necessary.
- Assures a "best in class" installation, professional appearance, error free, and timely.
- Creates Bill of Materials (BOM) in JDE.
- Assures drawings and BOM are accurate and finished on time.
- Creates electrical schematics using AutoCAD.
- Assures schematics are accurate and finished on time.
- Makes corrections to electrical schematics as required.
- Provides complete drawings, BOM packets, and documented programs to Product Managers and Manufacturing, as required.
- Researches new technologies that can enhance production capabilities and produce product that support changing customer needs.
- Performs other work-related duties as assigned.

QUALIFICATIONS

- Bachelor of Science degree in Electrical Engineering or extensive experience in machine control design required.
- Knowledge and experience in Ladder Logic, Visual Basic, Motion Control, CNC/G-Code, AutoCAD, AutoCAM and HMI Design required.

SPECIAL CONSIDERATIONS

- Some travel required.

TRAINING

- Must be able to read electrical engineering schematics and designs to facilitate product improvement.
- Need to understand machine design principles.
- Excellent interpersonal and communication skills are required.
- Must be able to provide guidance to other departments, as well as customers to ensure electrical support for manufacture, assembly, and installation assembly of product.