

# Electrical Engineer Manager

Contact: Human Resources

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## POSITION SUMMARY

The Electrical Engineer Manager works closely with his team to manage, direct, and coordinate engineering product design, development, and modifications of product lines. This will include the activities of development, management, and improvement of electrical controls and Software design of new products to meet the needs of sales, service, operations, and customers. The Electrical Engineering Manager will work closely with the Mechanical Engineering Manager to assure all product designs are coordinated across the different Engineering disciplines.

## ESSENTIAL FUNCTIONS

- Supervises and leads Electrical Engineers as they design new products and provide support for existing products to the rest of the organization.
- Oversees the research and development of new products and components for use in our product offerings.
- Hires, trains, and mentors other engineers and supporting staff.
- Writes performance reviews and solve internal issues.
- Discusses and lays out project plans, schedules, and provide technical input to specifications.
- Makes detailed plans to accomplish goals.
- Works with the Electrical Engineers and Software developers in the review, approval, or modification of the controls, software and hardware in the product designs.
- Develops cost estimates of projects and/or products as required.
- Drafts proposals and reports for internal project decision making.
- Helps develop overall concepts for a new product.
- Checks technical accuracy of the work within his or her team.
- Establishes administrative policies, procedures, and standards.
- Coordinates activities of Engineering with other departments.
- Confers with higher levels of management.
- 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, modify, and troubleshoot 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.
- 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.
- Performs other work-related duties as assigned.

## **QUALIFICATIONS**

- Bachelor of Science degree in Electrical Engineering or equivalent experience required.
- 5+ years’ experience in a machine controls design environment required.
- Knowledge and experience in Ladder Logic, Visual Basic, Motion Control, CNC/G-Code, AutoCAD, AutoCAM and HMI Design required.
- Leadership experience required.

## **SPECIAL CONSIDERATIONS**

- Must be able to travel, as needed.

## **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.