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## Manufacturing Engineering Technician (Electrical)

Reports to: Manufacturing Engineering Manager

FLSA Status: Non-Exempt

Location: Tukwila

Shift: 1 (Days)

Opening Date: September 17, 2018

Closing Date: Open Until Filled

### JOB SUMMARY

Create and support electrical and leak testing for HVAC components. Prepares and assists in the maintenance of jigs, fixtures, templates and related production aids. Creates preliminary assembly procedures used for production runs. Creates electrical test.

### ESSENTIAL FUNCTIONS

1. Create/maintain test macros for electrical testing HVAC components.
2. Create/maintain electrical test wire harnesses for HVAC components.
3. Create/maintain leak testing fixtures for HVAC components.
4. Create wire harness schematics for test wire harnesses.
5. Sets up and operates power equipment such as saws, grinders, drill presses and brake presses to cut and shape materials.
6. Assembles and joins fabricated parts and component parts to create desired prototype.
7. Confers with engineering staff regarding desired unit dimensions and performance characteristics.
8. Consults with production Supervisor regarding fabrication, assembly techniques or sequences of assembly processes.
9. Assists in operational bench testing of prototypes or modified products.
10. Assists in the design, fabrication and maintenance of jigs, fixtures, templates and other production aids.
11. Assists in PFMEA when needed.
12. Other duties as assigned

### JOB QUALIFICATIONS

- Sufficient experience to set up and operate a variety of power equipment used to cut, shape and form sheet metal, wood and other materials.
- High School Diploma or GED, required. AA in relevant field, desired
- Understand basic electrical circuits (ohm's law & multimeter functions)
- Ability to understand electrical schematics
- Understanding of basic programming concepts
- Minimum of four years experience in the manufacture, assembly and applications of products is required. Red dot experience desirable.
- Above average skill in the use of power equipment and hand tools.
- Ability to effectively communicate concepts, written and verbal, and the need to exchange information or provide assistance.
- Ability to lift up to 40 pounds unaided.
- Excellent motor control and eyesight; ability to move from place to place easily, operate equipment fitted with hand or foot controls.
- Ability to work independently in day to day tasks; ability to work with others.
- Basic math skills required.



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- Experience with MS Word, MS Excel, MS Outlook and AutoCAD a plus.
  - Will work adjustable hours when needed.
  - Ability to read engineering blueprints.
  - Must have mechanical aptitude.

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