



Position Title: Electro-Mechanical Engineering Technician – Product Development	Immediate Supervisor Title: Engineering Manager
Department: Engineering	Location: New Kensington, PA
FLSA Status: <input type="checkbox"/> Exempt <input checked="" type="checkbox"/> Non-Exempt	Grade:

Brief Summary of Position Purpose:

Supports the design, development and testing of new and revised products.

Essential Functions:

- May work independently or within a team to construct functional units, including mockups, breadboards and prototypes, from general verbal instructions, sketches, schematics, block diagrams, and/or drawings.
- Develop and construct laboratory apparatus; select appropriate components, materials, and equipment; perform certain types of electro-mechanical or software based product development work. Perform certain rudimentary fabrication operations, including PCBA component soldering. Work with compressed gas, regulators, valves and piping, hand tools, and various measurement instruments (multi-meters, oscilloscopes, data loggers, etc.).
- Develop and conduct tests using technical equipment and instruments, making measurements of physical, chemical, electrical, and/or mechanical parameters, using techniques that result in consistent, reliable data. Records, evaluates and presents data in written or graphical form. Executes test plans, verification and validation plans per project requirements and schedules.
- Provides assistance to other departments, such as aiding and instructing others in the production and service of products, installation or evaluation of field units, correction of malfunctioning equipment or systems.
- Employs technical reference material, mathematical formulae, and scientific methods in work. Checks results of own work to confirm data validity.
- Schedules and conducts maintenance, troubleshooting, and calibration of laboratory equipment and facilities.
- Other duties as assigned



Education/Training/Certifications:

- Requires minimum 2-year technical degree or equivalent industry experience.

Experience:

- Minimum of two (2) years of related experience in a product development and manufacturing environment.
- (Desirable): Electronics or electro-mechanical device experience, including motors, pumps, displays, sensors, and embedded firmware, digital communication devices and protocols.

Required Skill Sets: (e.g., computer skills, communications, math, etc.)

- Effective interpersonal and communication skills, both verbal and written.
- Efficient computer skills to include Microsoft Office Products, Outlook, Word, Excel, and Power Point.
- Ability to read and interpret documents such as safety rules, operating and maintenance instructions, technical drawings and specifications, and procedure manuals.
- Ability to write concise technical reports and correspondence.
- Ability to apply concepts of basic algebra, economics and geometry.
- Ability to solve practical problems and deal with a variety of concrete variables in situations with limited information.
- Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.

Physical Demands: (e.g., lifting, travel, etc.)

- Position requires concentration, accuracy, and focused mental effort.
- Works in normal office environment with occasional exposure to plant heat, moderate noise, dust, dirt and fumes.
- May travel as business needs require.

Pursuant to the Americans with Disabilities Act (ADA), reasonable accommodations may be made to enable qualified individuals to perform the essential functions of this job.

AA/EEO/M/F/D/V