**Primary Function**

This position will have a central technician role within the R&D team. Key responsibilities include running bench testing for all products of new and existing hardware and software, review and analyze data from different devices and sources, writing reports and maintaining a lab.

**Duties and Responsibilities**

* Set-up benches for testing of Transonic’s products
* Set up, adjust, calibrate, clean, maintain, and troubleshoot laboratory and field equipment
* Coordinate material supplies and inventories to make sure supplies are enough for upcoming studies.
* Detailed software testing and data processing with subsequent data entering into database
* Perform verification testing of hardware and software
* Perform software bench testing of devices (including with the use of organic materials such as animal blood)
* Assist in writing and updating testing protocols; troubleshoot and resolve issues with testing
* Assist with data validation from the field with play back
* Document testing and record test data, summarize findings and write reports
* Provides support to executives or engineers in matters related to projects
* Adheres to all company guidelines related to Health, Safety and Environmental practices
* Performs basic failure analysis and diagnostics, solves problems related to bench experiments
* Ensures that the tools and testing equipment are accurately calibrated and repaired, according to the standardized operations procedures
* Create process instructions and quick reference guides for Transonic devices
* Communicate to customers (internal and external) during R&D projects
* Maintain good organization of testing lab
* Other tasks as requested by Management

**Working Relationships**

* Participate in R&D team meetings
* Must work closely with internal departments such as Engineering, Manufacturing
* Able to work in a self-directed environment as the department Executive is in field often

**Education and Experience**

* A minimum of 2+ years of experience, preferably related to the position.
* At minimum a High School/Grade 12 diploma, but strong preference is given to those who have completed Technical/vocational or associate degree or post-secondary education in Science or Engineering disciplines.

**Knowledge, Skills and Abilities**

* Good communication skills, verbal and written
* Proficient in use of Microsoft Word and Excel
* Ability to keep lab in good order adhering to all safety precautions and applicable policies for BBP, HazCom and general cleanliness

**Supervisory Responsibilities**

* No Direct Reports

**Physical Demands & Work Environment**

* Position requires sitting, standing for extended periods of time, stooping, reaching, lifting/carrying typically less than 25 lbs., talking and walking; includes use of computers, printers, copiers, and other office equipment primarily in an open cubicle, office environment
* Position requires working with testing equipment and tools with occasional exposure to elements such as blood, odor, noise, dust, heat, cold and/or chemicals in a manufacturing/production environment, machine shop and test labs
* Nature of work requires depth perception, close and far vision, normal color distinction, corrected normal vision, potential for eyestrain, manual finger/hand dexterity and manipulation to operate a computer, work with hand tools and testing equipment
* Strict adherence to safety protocol and precautions including appropriate use of personal protective equipment as required or recommended
* Must be able to use lab and technical equipment with accuracy
* Occasional Travel for field support may be requested.

Disclaimer: This Job Description is not intended to be all-inclusive and may be subject to change to include new responsibilities and tasks or change existing ones as management deems necessary to meet the ongoing needs of the company.