

## Electronics Support and Test Engineer

### RIGID ROBOTICS Inc.

Salary: \$ 37 per hour<sup>1</sup>

Job Type: Full-Time, Permanent

Language: English

Start Date of Employment (Approx.): As soon as possible

Minimum Education: Bachelor's degree in electrical or electronics engineering or a related engineering discipline.

Positions Available: 1

NOC Group: 2133 - Electrical and electronics engineers

NOC Job Title: Electronics Support and Test Engineer

### Job Location(s)

120 - 3605 Gilmore Way

Burnaby, BC, Canada V5G 4X5

Tel: +1 (778) 819 0260

### Job Description

#### Overview

Based in Burnaby, Canada, Rigid Robotics Inc. is comprised of experts in open-pit mining technology, industrial embedded systems, and enterprise software. The business is engaged in producing innovative solutions to customers' problems including the development of an enterprise mining IoT device, for precision mining and automation. We work collaboratively with customers to solve their productivity, safety, and cost challenges. To contribute to our growth and leading position in its field, RIGIDROBOTICS is currently looking for an Electronic Support and Test Engineer with knowledge of different software and programming languages. S/He will be

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<sup>1</sup> <https://www.jobbank.gc.ca/marketreport/wages-occupation/17843/BC>

part of a team analyzing, researching, designing, developing, and maintaining the mining products.

### Responsibilities

- Participates in the design, development and testing of the new devices being manufactured.
- Conducts research into the feasibility, design, operation and performance of electrical components of each device.
- Participates in the development of pre-production designs, design review and conceptual development of new and existing products ensuring that electrical components are able to operate safely within the provided design.
- Carries out technical functions in support of the research undertaken for the design and development of the new products.
- Collects and compiles operational or experimental data and assists in the preparation of estimates, specifications and reports.
- Assists in building prototypes to the required specifications.
- Supervises and inspects the installation, modification, commissioning, testing and operation of electrical and electronic components and systems on new devices.
- Develops maintenance and operating standards for electrical and electronic components and systems.
- Sets up and operates specialized and standard test equipment to diagnose, test and analyze the performance of the manufactured product.
- Performs the inspection, testing, adjusting and evaluation of the devices to ensure conformance with product specifications and tolerances.
- Disassembles, tests, troubleshoots and retests returned product and participates in the corrective action process.
- Assesses customer's requirements and needs and ensures that they are met.
- Investigates product quality in order to make improvements to achieve better customer satisfaction.
- Writes and prepares technical reports and user's charters.

### Qualifications Required

- Bachelor's degree in electrical or electronics engineering or in related engineering discipline.
- 2+ years of experience in the related field; field experience is an asset.
- Demonstrated ability to interpret electrical and mechanical technical drawings.
- Experience with support ticketing systems.
- Knowledge of best practices for installation, commissioning and maintenance of in pit and mobile hardware.
- Demonstrated problem solving and troubleshooting skills.
- Complete familiarity with Embedded systems, and databases especially PostgreSQL.
- Familiarity with Altium and Atmel Studio

- Knowledge of C programming is required; knowledge of any of the following languages will be an asset: C#, C++, Python, HTML.
- Comfortable operating in deadline driven environment.

### Personal Skills and Qualities

- Analytical and problem solving skills
- Good interpersonal organizational skills;
- Proficient eye-hand coordination
- Client focus;
- Critical thinking;
- Detail-oriented;
- Accurate;
- Team player;

### Work Conditions and Physical Capabilities

- Fast-paced environment;
- Work under pressure;
- Attention to detail;
- Tight deadlines;

### Languages

- English

### How to Apply

Please send your resumes to:

Email: [jobs@rigidrobotics.com](mailto:jobs@rigidrobotics.com)

Website: [rigidrobotics.com](http://rigidrobotics.com)