



## Hardware Engineer

### Company Overview

Polaris Motion is an advanced technology company founded in 1994. We have clients all over the world and our headquarters is in Victoria B.C. This is where we conduct our research, product development, marketing, sales, final test and assembly.

Our market areas are ultra-fast laser manufacturing and ultra-precision optics. We develop unique, software and hardware technologies for advanced manufacturing. It is due to the talented staff of engineers, scientists and computer scientists that we're able to outperform the competition for success in many high-end machine design-ins.

Our company values include commitment, integrity, truth, and respect (**CITR**). We promote a culture that is innovative, creative, and competitive; one that fosters a climate of high team spirit, fun and accomplishment; and one that promotes personal growth and development. We strive to empower our employees to achieve their full potential.

We look forward to receiving your application. Please send your resume to [careers@pmdi.com](mailto:careers@pmdi.com).

### Job Summary

We are seeking an individual with hardware and firmware experience. The new team member will help expand and fulfill our product line. You will join an environment of high collaboration. Work will include hardware design, schematic capture, layout and firmware development.

### Responsibilities

- Participate in new product definition efforts
- Hardware design, schematic capture and layout
- VHDL design & programming
- Create test procedures, and document technical work clearly
- Collaborate with a cross-functional technical team
- Research new technologies and methods to improve the company's products and processes
- Manage multiple competing tasks
- Communicate your developed works with internal and external customers
- Participate in peer review of designs; provide and receive critique in an effective manner
- Work effectively to deliver quality products in a fast-paced, deadline-oriented environment



## Qualifications

- Degree in Electrical Engineering or equivalent
- 3 years relevant experience or equivalent
- 3 years of product development experience
- Schematic capture and Printed Circuit Board layout experience required
- Hands on experience soldering, reworking SMT and wiring
- Excellent written and verbal communication skills
- Strong problem solving skills with high attention to details, quality, and meeting deadlines
- Effective organizational and goal-oriented skills with ability to manage multiple priorities
- Commitment to creating world class products with a continual focus on customer needs

## Skills & Abilities

- Ability to trouble shoot electronic circuits
- Knowledge about semiconductor devices such as BJTs, MOSFETs and IGBTs
- Capable of exploring design options and making design decisions with minimal supervision
- Experience using laboratory test and measurement equipment
- Schematic Capture and Layout Computer Aided Design experience (preferably Altium)
- VHDL design, coding, simulation, synthesis and programming
- Familiarity with C and C++ Programming
- Version control experience
- Experience with motor control, PID tuning, motion control is considered a plus

## How to Apply

Please submit your resume and cover letter to [careers@pmdi.com](mailto:careers@pmdi.com) with subject line "Hardware Engineer"

## Other Info

Polaris Motion is in Victoria, B.C. on beautiful Vancouver Island. We offer a competitive salary and a comprehensive extended health package. If you are self motivated and enjoy working in a professional environment with a bright and talented team of product developers, you've found the right place. We'd love to hear from you.