# Hardware Engineer

**Who we are:** Laser Technology Inc. (LTI) www.lasertech.com is a company devoted to the design and manufacture of innovative laser-based speed and distance measurement instruments, using ISO compliant and continuous improvement techniques. We maintain an intense focus on providing laser measurement technologies which address real world needs and applications, including speed enforcement, accident investigation, forestry, mining, utilities and surveying, to name just a few.

Our core products are engineered with pulse-laser technology (a.k.a. reflectorless measurement technology) resulting in the ability to measure both distances and speeds. We also specialize in tilt and compass sensors, allowing you to measure heights and azimuth bearings. Our mission from the beginning has been to provide quality products through innovation and dedication.

**Who we need:** We are looking for an Electrical Engineer to join our team. This person will research, design, develop, and troubleshoot modular and discrete circuits that are used in conjunction with custom firmware, to create leading edge last products for our professional measurement, traffic safety, industrial, and consumer markets.

**What you will do**:
- Develop digital and analog electronic hardware architecture and design leveraging the latest commercial modular solutions with the development of discrete custom circuits.
- Create circuit schematics and utilize capture software to provide deliverables for board layout and component definition.
- Analyze circuits from other members of the technical team, identify problems, and make recommendations for improved performance, reduced layout area, and optimized cost.
- Utilize circuit design/layout software to define mechanical layout limits and keep-out areas, complete component placement, manually route critical traces, auto route non-critical traces, assemble final BOMs, and create component height drawing.
- Perform startup evaluation and testing on prototype boards to ensure proper construction and function before handing off to firmware development.
- Utilize test equipment, component knowledge, and troubleshooting experience to support root cause evaluation of development project issues and customer problems as needed.
- Consult with firmware engineers and other engineering staff to evaluate the interface between hardware and software, as well as operational and performance requirements of overall system.
- Create hardware documentation, including component datasheets, schematics, circuit analysis reports, test procedures, cost evaluations, etc. to support new development and modification to existing products.
- Other duties as needed

**What you need**:
Qualified individuals will have a minimum of:
- Bachelor's degree in Electrical Engineering
- 3+ years of proven experience in the development of electronic hardware
- Experience in board level troubleshooting utilizing oscilloscopes, analyzers, signal generators, frequency counters, meters, etc.
- Strong communication skills are a must
- Experience with low power, microprocessor driven products a plus

**How to apply:**  Qualified candidates please forward resumes to [lpowles@lasertech.com](mailto:lpowles@lasertech.com)   Please reference job req 42718E in the subject line. No agencies or head hunters please.