

## Job Description

### Consulting Electrical Engineer

#### Position Scope:

This position requires a candidate who is able to work off and on-site as a consulting electrical engineer. We seek a hands on individual with experience in high speed electronics and microprocessors to work on a laser rangefinder project as well as current drivers and TEC controllers for various solid-state laser products. Must be familiar with designing laser diode drivers and good at control loop design. Our need is immediate.

#### Recommended Education:

BS or MS Electrical Engineering or equivalent, although coursework and experience in electrical engineering and circuit design is acceptable.

#### Experience:

Five years related design and hands on experience.

#### Recommended Skills:

- Electronics design (Cadence OrCAD preferred)
  - Schematics
  - PCB layout
  - PCB fabrication/ordering
  - Component selection/ordering
  - Creation of associated documentation (design files, specifications, and bills of material)
  - Troubleshooting
- Electronics assembly (prototyping)
  - Soldering
  - Rework
  - Troubleshooting
- Familiarity with laser theory
  - Laser drivers
  - Temperature controllers (Peltier coolers, thermoelectrics)
  - PID optimization
  - Laser range finding

#### Recommended Skills:

- General electrical knowledge
  - High speed electronics
  - Microprocessors
  - Programming
- System integration
- Engineering support
  - Design For Manufacturability and Assembly (DFMA)
  - Presentations
  - Engineering reports
  - Product structure development
  - Experimental Design (DOE)

#### Contact:

Ms. Lisa Vitali at 570-879-4992 (lvitali@snakecreeklasers.com). Please be prepared to provide resume and three professional references.