Job Description
Senior Design Mechanical Engineer

Job Summary:
The Senior Design Mechanical Engineer will provide leadership for a cross-functional team to design and develop new products for Curexo Technology’s Hardware Engineering group. As project leader, the Senior Design/Mechanical Engineer is expected to develop mechanical component and technology strategies for new products while also identifying opportunities to improve existing products. Successful candidate will champion collaboration with marketing, industrial design, engineering and manufacturing to inspire the team and lead the product development process.

Travel Requirements:
While this position will be based full time in our Fremont, CA Corporate Headquarters, and travel time is expected to be 5 -15%.

Job Responsibilities:
• New Product Development
• Existing product updates and changes
• Researches and develops core technologies required by CTC to sustain or improve its competitive lead.
• Designs, develops, analyzes and documents product designs which meet the functional, cost, reliability, manufacturability and safety requirements of CTC.
• Applies skills necessary to design, develop and introduce new products with the greatest possible design margins and in the shortest amount of time.
• Identifies, quantifies, and implements tools, methods, processes and equipment, which improve the quality, reliability and productivity of the department.
• Communication and Leadership.

• Effectively communicates information to co-workers, customers and suppliers, which they require to do their jobs. This communication must be objective and accomplished in a neutral to positive manner.

• Serves as the project team leader throughout the initial phases of the New Product Introduction process, defining schedules, assigning tasks and quantifying progress against project goals.

• Serves as a mentor to other engineers within the company, helping them develop their design, analysis and problem solving skills.

Qualifications/Education:

• Masters degree in Mechanical or Product Design Engineering.

• Minimum 6 years of product design/engineering experience, including the use of standard mechanical engineering analysis and software (i.e. FEA, kinematics and tolerance analysis).

• Ability to analyze components and assemblies for static and fatigue strength to meet design goals.

• Experience in design for manufacturability and assembly.

• Ability to use industry standard CAD systems for design and documentation.

• Project leadership experience.

• Robotics experience a plus.