CYBEX POSITION DESCRIPTION

MECHANICAL DEVELOPMENT STAFF ENGINEER

BASIC PURPOSE:

Perform design, analysis and development of new products from initial concept through manufacturing under various levels of supervision and technical complexity.

DUTIES AND RESPONSIBILITIES:

Conceptualize and design new products and improvements to existing products using a wide variety of engineering disciplines and techniques. Design goals oriented around pertinent design criteria such as product performance, ease of manufacture, part interchangeability, strength, durability and cost

Perform staff role as mechanical engineering expert resource for the department including FEA structural and component analysis as required.

Create, evaluate and modify mechanical and electromechanical mechanisms and devices.

Plan, organize and conduct technical research projects as needed.

Maintain an up-to-date understanding of Compliance and Safety standards that must be met by the products.

Perform role as project manager on select projects as required. Exercise responsibility for planning, organizing and executing projects from inception to finished product.

Establish and coordinate working relationship with outside consultants, vendors, and customers when required to complete projects.

Work with Director of Engineering / Product Manager in planning of projects and execution in a timely manner.

Perform other duties as assigned.

QUALIFICATIONS AND SKILLS NEEDED:

Minimum formal education, experience and training:

BSME required. Skills in sheet metal and machine design, castings, plastics, machining and welding required. Design capability with Solid Works, Pro E or equivalent and solid modeling CAD system is required. FEA experience required. A minimum of 7 years experience in mechanical design, preferably designing consumer products in a medium volume manufacturing environment as well as some project management experience is required.

Preferred formal education, experience and training:

PE license desired. Experience working in a concurrent engineering development environment. Experience working with TQM/ISO 9000 beneficial.

Other knowledge and skill requirements:

Strong analytical, communication and interpersonal skills are necessary to coordinate multi-functional projects.

Reports to: Director of Engineering