Job Title: R&D Engineer - Testing
Department: Research and Development
Reports To: Senior Research and Development Engineer - Testing

Main Purpose of Job: (Brief Summary)
Research and development project team member responsible for executing mechanical testing and engineering analysis with direct supervision and detailed instructions.

Main Job Duties/Responsibilities (List most important first)
- Ability to perform and assist with research and testing required for the definition and validation of new and existing products – including operation of test machines and coordination of testing at outside labs. Hands on skills essential.
- Driven self-starter, requiring minimal supervision; with a willingness and ability to assume increased responsibility.
- Ability to work in a regulated environment with understanding of design and quality control systems.
- Clear verbal and written communication skills, including presentations, design reviews, DHF documents, and technical reports.
- Ability to work effectively as a contributing team member, with a demonstrated ability to interact with peers and surgeons.
- Development and execution of test protocols for pilot, verification, and validation of implants and instruments.
- Design of test fixtures to enable above testing.
- Knowledge of dimensioning and tolerancing of parts to ensure manufacturability.
- Data reduction and statistical analysis.
- Desire to attend spine surgery and assist Engineering & Marketing groups in obtaining product knowledge, including identification of new product opportunities and formulation of strategies, especially regulatory strategies.
- Proficiency in computer application skills, including CAD, Windows, Microsoft Word, and Excel.
- Ability to function well under pressure and expend effort to meet schedules and deadlines.
- Other duties as assigned.

QUALIFICATION REQUIREMENTS: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION and/or EXPERIENCE:
- AS or BS in Mechanical, MET, Biomedical, or Materials Engineering
- Entry-level to Mid-level development position, 0-5 years experience
- Hands On Skill in Laboratory Testing Environment
- Orthopaedic Lab/Coursework and CADD Experience Desirable
OTHER SKILLS and ABILITIES:

- Basic to intermediate Engineering knowledge/experience required, along with standard principles, theories, concepts and techniques.
- Demonstrated ability to work effectively as a contributing team member, effectively interacting with peers, designers, cross-functional teams and outside team members, such as vendors and surgeons
- Ability to clearly communicate concepts and ideas to others
- CAD Experience – Basic through Intermediate Level - ability
- Flexible - ability to adapt to changing requirements and priorities.
- Present a professional image.
- Willingness and ability to assume increased responsibility.
- Proficient PC application skills to include Windows, Microsoft Word and Excel.

PHYSICAL DEMANDS: The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to sit and talk or hear. The employee frequently is required to use hands to handle, operate, or feel objects, tools, or controls. The employee is occasionally required to stand, walk, and reach with hands and arms.

The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include normal vision.

WORK ENVIRONMENT: The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Standard office setting, clean room surgical lab, model shop, supplier visits, operating room observation, and travel required. The noise level in the office work environment is usually quiet to moderate.