

Salary Grade: 29

FLSA Status: Exempt

PROJECT ENGINEER

The Project Engineer will be responsible to lead the execution, including design, of highly complex composite tooling solutions for Customers utilizing Spintech's revolutionary Shape Memory Polymer (SMP) Tooling Technology.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Must have tooling design experience and be able to perform advanced mechanical engineering calculations to ensure overall project design requirements are met
- Will develop and conduct tests to assure success prior to project validation/verification phase
- Will analyze test data to assure design meets functional and performance specifications
- Will be responsible for generating and managing project schedules, project budget and engineering effort
- Will lead design reviews with customers, suppliers, and/or other departments to ensure sound designs and drawing accuracy, including visits as necessary to customers and suppliers
- Responsible to communicate directly with the customer on technical, budget, and schedule issues to get resolution of unknowns and required approvals
- Must be able to multi-task and assume responsibility for several projects at one time in differing levels of completion
- Deliver a working solution to the customer site and get sign-off from the customer on the solution while on-site
- Coordinate with Finance to initiate milestone invoicing at appropriate intervals
- Will enter bills of material and operations directly into Company's Enterprise Resource Planning (ERP) system
- Highly desired to have experience with Composites and resin injection processes. If no composites experience, then should at least have experience with resins/polymers
- Will take a lead role in solving technical problems through-out the project, with assistance from the Director of Engineering
- Will prepare technical proposals to secure future business from customers
- Will help to develop engineering standards and methods that create an environment where quality products are developed and executed
- Responsible for assisting with closed order analysis on assigned projects
- Will prepare and present engineering change documentation when required with sign-off by the customer
- Will travel to customer locations to implement solutions, typically one week in length but possible to be longer

QUALIFICATIONS & REQUIREMENTS:

- **U.S. Citizenship *required***
- Negative drug screen and favorable background check (*Note: we are a smoke free facility*)
- Bachelor of Science degree in Mechanical Engineering
- Experience with email and calendar software (i.e. Outlook, Groupwise) and Microsoft Office Suite, including Microsoft Project
- Travel: 15% - 30%

IDEAL CANDIDATES WILL EXHIBIT THE FOLLOWING QUALITIES/ABILITIES:

- Some computer design capabilities, preferably with CATIA
- Ability to solve difficult technical problems using systematic approach
- Good organizational skills and strong verbal and written communication skills
- Possess negotiation and conflict resolution skills
- Ability to multi-task
- Ability to work with minimal supervision, conferring with management on high impact matters
- Ability to apply advanced mathematical concepts such as exponents, logarithms, quadratic equations, and permutations
- Ability to apply mathematical operations to such tasks as frequency distribution, determination of test reliability and validity, analysis of variance, correlation techniques, sampling theory, and factor analysis
- Ability to read, analyze, and interpret technical procedures or governmental regulations Ability to write reports, business correspondence, and procedure manuals
- Ability to effectively present information and respond to questions from groups and managers, clients, customers, and the general public
- Work requires individual to devise own methods, to assist with techniques utilized by others, to exercise ingenuity, to analyze situations, and apply judgment required to make decisions of technical nature

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 talk and hear. The employee frequently is required to stand, sit, and use hands to finger, handle, or feel objects, tools, or controls. The employee is occasionally required to walk, reach with hands and arms, climb or balance, and stoop, kneel, crouch, or crawl. Employee may spend a minimum of three to four hours per day at a PC doing design. The employee may occasionally lift and/or move up to 50 pounds.

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.

While performing the duties of this job, the employee is occasionally exposed to moving mechanical parts, risk of electrical shock, UV exposure, fumes, spark and heat. The noise level in the work environment is usually moderate.

Duties may require the occasional use of/contact with/exposure to various hazardous materials (such as, but not limited to grease, oils, lubricants, paint, thinner, parts cleaner, chemicals, etc.). Employees should have basic awareness of hazardous materials cautions. Those directly using the materials must have specific knowledge of material in use and utilize appropriate safety precautions.

TO BE CONSIDERED FOR AN INTERVIEW

Please complete the application process by clicking the link on the Spintech "Careers" web page at <http://spintechllc.com/careers>. Spintech, LLC is an EEO/E-Verify employer.