

SALARIED EXEMPT EMPLOYMENT OPPORTUNITY

POSITION: Senior Project Engineer R&D

This position utilizes engineering skills and methods to develop new products and processes, with special focus on aerospace composite structure, materials and design. This position requires a combination of technical knowledge, experience and the ability to participate in “hands-on” development and problem solving. This position leads small project teams and provides technical support for existing products by performing the following duties. Specific responsibilities include:

- Plans, organizes, leads and executes engineering projects through product development processes.
- Analyzes research data, proposed product specifications and/or customer drawings to determine feasibility of product proposal.
- Must demonstrate proficiency and practical experience in the use of commercial 3D CAD software (e.g., Solidworks).
- Having expertise and experience of performing design, analysis, testing and fabrication of composite aerospace ducting or structures are highly desired.
- Demonstrates functional knowledge of aerospace composite materials, such as Reinforced Thermal Plastics/Laminates (RTL) and Foams. Understands material flammability, smoke and toxicity characteristics.
- Engage in or lead compression mold, tooling and fixturing design, prototype sample preparation, test plan and data analysis. Coordinates manufacturing and other technical team members to implement defined design targets.
- Coordinates with purchasing and engineering associates to evaluate and approve new raw materials (fabrics, foam, RTL, adhesives, etc.).
- Analyzes test data and reports to determine if design meets functional and performance specifications.
- Controls project expenditures within limitations of project budget/quote.
- Writes Capital Expenditure Request & controls costs to the approved request.
- Participates in purchase of capital equipment, tooling and/or systems.
- Prepares and adheres to project schedules and raises issues to meet project deadlines and takes necessary steps to resolve along with preparing interim and completion project update reports.
- Provides technical failure analysis (tear-down) support for customer returned products, existing hose products or prototypes. Writes internal analysis report upon requests.
- Confers with customers, Engineering, Flexfab Reps, Flexfab’s International Divisions, Purchasing, Quality Assurance, manufacturing, marketing and suppliers to develop designs and resolve design issues.
- Evaluates customer design and/or specification changes and their effect on product design or manufacturing.
- Plans and develops experimental test programs utilizing the appropriate tools.
- Ensures costs, quality, timing and other related aspects of project targets are met.
- Prepares or coordinates preparation of product or system layout, detailed drawings and schematics and all engineering documentation and any other duties as assigned.

QUALIFICATIONS:

AS9100 / ISO9001 / TS16949 / ISO14001 REGISTERED

- Bachelor's degree in Mechanical Engineering, Materials Engineering, or related technical degree. Advanced degree preferred. 3-5 years' experience in aerospace composite product or process development preferred.
- Demonstrates mechanical aptitude and experience in multiple functional areas preferred.
- Demonstrates success in leading projects from concept to successful launch or implementation.
- Demonstrates technical expertise in relevant area of responsibility or technology.
- Demonstrates proficiency in the use of 3D CAD software.
- Effective communication skills. Able to present data and project status clearly and concisely, both verbally and in writing.

Flexfab is an equal opportunity employer, disability & veteran friendly.