



## Job Description Summary

Position	: NPD Manager
Department / Division	: New Product Development
Job Type	: Full Time
Location	: Bangalore, India
Starting Date	: Immediate

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## Site Overview

Our Bangalore facility is growing fast as a key hub for manufacturing aerospace and defence components, supporting India's defence sector and global aviation supply chains. Join us in shaping the future of aerospace.

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## Position Overview

The New Product Development (NPD) Manufacturing Engineer plays a critical role in ensuring successful manufacturing of new products for the company. This position is responsible for designing and procuring standardized tooling, developing and validating product assembly documentation, and resolving assembly challenges encountered during development. Additionally, the role actively contributes to initiatives aimed at improving manufacturing processes and overall system efficiency.

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## Roles & Responsibilities

- Lead the design and development of new products from concept to production using CAD tools and prototyping techniques.
- Manage project timelines, resources, and budgets while ensuring compliance with quality management systems and safety standards.
- Collaborate with R&D, marketing, manufacturing, and quality teams to gather requirements and incorporate feedback into designs.
- Maintain accurate documentation for design specifications, production SOPs, product changes, and development processes.
- Engage with customers to understand their needs, provide updates, and address technical or manufacturing concerns.
- Identify and mitigate project risks related to safety, quality, or timelines in NPD projects.
- Design, draft, and procure tooling or fixtures required for assembly and processing.
- Host customer visits to resolve manufacturing-related issues and support technical discussions.
- Feasibility study of the projects, Cost estimation, offering the quote for the customers and converting the enquiry into profitable business.
- Drive continuous improvement initiatives to resolve assembly challenges and implement process enhancements in collaboration with engineering and production teams.



- Participate in internal project meetings to address and resolve manufacturing-related items as part of the project team.

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## Required Qualifications

- Bachelor's degree in mechanical engineering, other engineering-related field.
- 8 to 12 years industry experience in design engineering role.
- Experience and knowledge in various processes like Precision CNC Machining, heat treatment, surface finishing and sub-assemblies for Aerospace, Automotive, Medical and other industry segment
- Ability to work across organizational functions and generate results independently.
- Familiar with CAD, CAM software like SolidWorks.
- Must be highly motivated and be a committed team player.
- Ability to communicate well both written and verbally in English.
- Previous experience in implementing manufacturing methods and tools.

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## Preferred Qualifications

- Basic understanding of Lean and Six Sigma methodologies.
- Strong working knowledge of GD&T and ability to interpret drawings and specifications.
- Experience in aviation and/or defence sector is added advantage.
- Project management experience is a plus.
- Knowledge of AS:9100 or AMS, S1000/S1002, ISO:9001 standards is desirable.
- Familiar with First Article Inspection (FAI), Non-Conformance (NC), Root Cause and Corrective Action (RCCA), and QMS requirements.

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## Additional Information

- None

Join us and be part of a team that is driving innovation in aerospace and defence. Our STSPL's NPD and R&D teams are making a global impact. Help us move the aerospace and defence industry forward.

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