

Senior Design Manager

Location: **Thane (Mumbai)**

Experience: **15+ years in Manufacturing, Engineering, Capital Equipment, or allied industries for Designing; Special Purpose Machinery, Heavy Fabricated Equipment, Industrial Structures, etc.**

Employment Type: **Full-time**

Reports To: **GMs and Managing Director / Board of Directors.**

Job Summary

We are seeking an accomplished Senior Design Manager to lead our Design Department. The ideal candidate must have extensive experience in detailed design of machinery, heavy fabricated equipment, and structures. They should have a strong command of engineering drawings, manufacturing and fabrication processes, quality control, reverse engineering, structural analysis, and must be highly proficient in AutoCAD and 3D modelling software.

This role requires active interfacing with foreign technology partners, clients, and internal departments including Procurement, Manufacturing, and Quality Control. The candidate will also be responsible for leading Research & Development and New Product Development initiatives of the company.

Key Responsibilities

Leadership & Management

- o Manage the Design Department operations end-to-end, ensuring quality, timelines, and project objectives are met.
- o Develop and mentor a high-performing design team.
- o Lead departmental planning, budgeting, resource allocation, and performance evaluation.

Detailed Engineering & Design

- o Oversee preparation, review, and approval of detailed engineering drawings, fabrication drawings, and assembly drawings.
- o Ensure compliance with technical specifications, codes, and standards.
- o Lead the reverse engineering of components, assemblies, and machinery for redesign or optimization.

Technical Expertise

- o Apply practical knowledge of manufacturing and fabrication processes, structural analysis, hydraulics, electrical and electronic control panels.
- o Provide hands-on expertise in AutoCAD and advanced 3D modelling software (SolidWorks, Inventor, or equivalent).
- o Optimize designs for cost, manufacturability, and performance.

Cross-Functional Coordination

- o Interface with foreign technology partners for technology transfer, design validation, and joint development projects.
- o Collaborate closely with Procurement, Manufacturing, and Quality Control teams to resolve design and production issues.
- o Support business development and client teams by providing technical inputs during project proposals and presentations.

Innovation & Development

- o Lead Research & Development (R&D) initiatives to improve existing products and develop new product lines.
 - o Drive New Product Development (NPD) from concept to commercialization.
 - o Implement best practices and new design methodologies to enhance efficiency and innovation.
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Key Requirements

Educational Qualification:

B.E./B.Tech in Mechanical Engineering (Master's degree preferred).

Experience:

o Minimum 20 years of experience in detailed design of machinery, equipment, heavy fabrication, and industrial structures.

Technical Skills:

- o Expertise in AutoCAD and 3D Modelling Software (SolidWorks, Inventor, or equivalent).
- o Strong practical knowledge of manufacturing and fabrication processes.
- o Hands-on experience with reverse engineering, structural analysis of steel structures, hydraulic systems, electrical and electronic control panels.
- o Understanding of quality control standards and procedures.

Managerial Skills:

- o Strong leadership and team management capabilities.
- o Excellent communication and coordination skills for cross-functional interfacing.
- o Project management skills including planning, monitoring, and risk mitigation.

Other Attributes:

- o High level of problem-solving skills and analytical thinking.
- o Strong commitment to innovation, quality, and continuous improvement.
- o Ability to work in a fast-paced, dynamic environment.

Compensation & Benefits:

- 💰 Competitive Salary depending on suitability.
 - 📈 Opportunity to be a part of a high-growth company with IPO potential.
 - 🌐 Exposure to global interface and expansion opportunities
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