



PR/109991 | Design Engineer

Job Information

Recruiter

JAC Recruitment India

Job ID

1572886

Industry

Other (Manufacturing)

Job Type

Permanent Full-time

Location

India

Salary

Negotiable, based on experience

Refreshed

June 9th, 2026 16:00

General Requirements

Minimum Experience Level

Over 10 years

Career Level

Mid Career

Minimum English Level

Business Level

Minimum Japanese Level

None

Minimum Education Level

Associate Degree/Diploma

Visa Status

No permission to work in Japan required

Job Description

- Roles and responsibilities: -
- Designing Mechanical Systems: Creating designs for machines, tools, and mechanical devices. This SolidWorks, AutoCAD, or CATIA.
- Knowledge of Finite Element Analysis (FEA) can also be beneficial to simulate the behaviour of the design under load.
- Prototyping and Testing: Developing prototypes of their designs and conducting tests to ensure they meet required standards and specifications.
- Material Selection: Choosing appropriate materials for parts based on strength, durability, weight, and cost, and ensuring compatibility with other components.
- Problem-Solving: Addressing challenges related to design constraints, cost reduction, or performance optimization.
- Collaboration: Working closely with other engineers (electrical, civil, etc.), manufacturers, and clients to ensure that

designs are feasible and meet the end-user's requirements.

- Manufacturing Support: Ensuring that designs can be efficiently manufactured. This might involve working with manufacturing engineers to optimize production processes and reduce costs.
- involves drafting blueprints and 3D models using CAD (Computer-Aided Design) software like
- Drilling Jigs: Used to guide drills and ensure correct placement of holes in workpieces.
- Welding Fixtures: Hold components in place while they are welded to maintain alignment and avoid distortion.
- Assembly Fixtures: Used to hold parts during assembly processes, ensuring the proper alignment of components.
- Inspection Fixtures: Used in quality control to verify the dimensions and alignment of manufactured parts.
- Ergonomics and Ease of Use: Ensure that the jigs and fixtures are user-friendly and easy to set up, operate, and maintain, without introducing any operational difficulties.
- Review assembly drawings (accuracy and dimensions, Issue technical instructions to subcontractors, identify issues and propose improvements).

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Company Description