



## 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**

April 14th, 2026 14:00

### 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).

**Notice:** By submitting an application for this position, you acknowledge and consent to the disclosure of your personal information to the Privacy Policy and Terms and Conditions, for the purpose of recruitment and candidate evaluation.

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## Company Description