

## JOB DESCRIPTION

**Company Name:** Light Mechanics (<https://www.lightmech.com/>)

**Job Role:** Design Head

**Work Experience:** 10-25 years

**Location:** Bengaluru

### **Roles & Responsibilities**

1. Design and develop special-purpose assembly automation systems and testing systems.
2. Validate and finalize design concepts based on customer specifications.
3. Convert design concepts into 3D CAD models and 2D drawings.
4. Perform engineering calculations related to the strength of materials, speed, pressure, and force.
5. Produce detailed drawings with relevant GD&T and bills of materials.
6. Review drawings for accuracy, material selection, and machining processes.
7. Liaise with vendors and purchasing teams during manufacturing and procurement.
8. Coordinate with execution teams during assembly, testing, and machine qualification.
9. Ensure adherence to ISO procedures and ethical standards.
10. Complete projects within the stipulated time, cost, scope, and quality.

### **Key Deliverables:**

1. Delivery of designs meeting all requirements and objectives.
2. Regular updating of drawings and implementation of improvements.
3. On-time completion of design activities with quality.
4. Cost-effective turnkey solutions meeting customer needs and standards.
5. Support assembly team to meet customer requirements.
6. Opportunity for professional growth and development
7. Collaborative and supportive work environment

### **Requirements:**

1. Diploma / Bachelor's or Master's degree in Mechanical Engineering.
2. Proficiency in 3D CAD modelling software.
3. Knowledge of pneumatics, hydraulics, and GD&T.
4. Strong engineering calculation skills.
5. Ability to conceptualize and create solutions for complex design requirements.
6. Excellent communication and interpersonal skills.
7. Logical thinking and analytical abilities.
8. Team handler with a proactive attitude.

**Employment Type:** Full Time, Permanent

**Role Category:** Engineering & Manufacturing

**Education**

**UG:** B.Tech/B.E. in Mechanical, Diploma in Mechanical

**PG:** M.Tech in Automobile, Mechanical

**Key Skills**

- Solid Works
- 2D Drawing
- 3D Cad
- AutoCAD
- Hydraulics
- Pneumatics
- Jigs
- Fixtures
- Special Purpose Machines (SPMs)
- SPM Design
- Machine Design
- Conveyor Design
- Conveyors
- Machine Building
- Laser Cutting
- Laser Marking
- Laser Welding
- Automation Engineering