

3D CAD Designer - Conveyors Parts

Experience: 5 - 10 years

Location - Faridabad

Job description

Role & responsibilities

To design, develop, and detail conveyor systems, conveyor components, and related machinery parts using 3D CAD software, ensuring functionality, manufacturability, safety, and compliance with applicable standards.

1. Design and develop 3D models and assemblies for:
 - Belt, roller, chain, screw, slat, and special-purpose conveyors
 - Conveyor structures, frames, supports, and guarding
 - Conveyor parts such as rollers, pulleys, idlers, shafts and brackets

2. Prepare 2D manufacturing drawings with:
 - GD&T, tolerances, BOMs, and material specifications
 - Fabrication and machining details

3. Customize conveyor designs based on customer layout, capacity, speed, load, and process requirements.

4. Perform design calculations related to load capacity, belt/roller selection, shaft sizing, and motor selection.

Preferred candidate profile

- Min. 5 to 10 years of hands-on experience in conveyor systems OR industrial machinery design.
- Proficiency in 3D CAD software of SolidWorks / Artcam / UG NX / AutoCAD 2D.