

**Piasecki Aircraft Corporation
Job Description**

Job Title: Mechanical Design Engineer

Department: Engineering

Reports To: Chief Engineer

Mechanical Design Engineer is responsible for creating mechanical, electrical, kinematic, and systems drawings to support the project engineers and manufacturing department.

Duties:

Interpretation of design specifications and drawings

Develop, select or determine the design details, such as standard component selection, thread and tolerance specifications, etc.

Design machined, molded, and formed parts and assemblies as required.

Create or revise accurate, detailed SolidWorks CAD models, drawings, BOM's, and other engineering documentation as required.

Participate in design and drawing reviews, prototype builds and verification testing and documentation.

Release drawings via Engineering Change Orders (ECOs) process.

Conduct drawing reviews

Develop "deficiency lists" for PDM system and general SOWs for the engagement of subcontractors to implement fixes or system improvements

Migrate PIAC processes to a more automated mode.

Related Skills:

2-year associate degree with 5 year experience in mechanical design for aerospace, automotive industries, or similar field requiring design of mechanical machines and/or systems.

Proficient in the use of AutoCAD and SolidWorks for 3D model based designs.

Knowledge of ASME Y14.41 Tolerance for model based design

Proficient in use of Microsoft Office and Word Processing software

Good time management skills, good work ethic

Focused, methodical with good analytical skills