



Job Description – Methods / Process / Design Engineer

Position: Methods / Process / Design Engineer

Department: Engineering

Location: Peenya, Bengaluru

Reports To: Engineering Manager

Job Summary

Responsible for developing manufacturing methods, process planning, tooling concepts, work instructions, and engineering documentation for aerospace components while ensuring compliance with customer, regulatory, and quality requirements.

Key Responsibilities

- Develop manufacturing process plans and route cards for aerospace components.
- Prepare process sheets, SOPs, work instructions and operation sequences.
- Review customer drawings, CAD models, specifications and BOMs.
- Coordinate with Design, Production, Quality and Supply Chain teams.
- Design or support tooling, fixtures and gauges for production.
- Prepare CNC manufacturing feasibility and process capability studies.
- Support APQP, PFMEA, Control Plans and Risk Assessments.
- Ensure compliance with AS9100, customer specifications and engineering standards.
- Support First Article Inspection (FAI) and production validation.
- Drive continuous improvement initiatives to reduce cost and improve productivity.
- Participate in root cause analysis and corrective/preventive actions.

Qualifications

Bachelor's Degree/Diploma in Mechanical, Production or Aerospace Engineering.

Experience

3–8 years of experience in Aerospace Manufacturing, Process Engineering, Methods Engineering or Design Engineering.

Technical Skills

- CAD software (SolidWork)
- Manufacturing Process Planning
- GD&T interpretation

- AS9100D awareness
- PFMEA, Control Plan, APQP
- FAI (AS9102) documentation
- Lean Manufacturing and 5S
- CNC machining and tooling knowledge
- ERP documentation

Behavioral Competencies

- Analytical thinking
- Problem solving
- Communication
- Teamwork
- Leadership
- Documentation skills

Key Performance Indicators (KPIs)

- On-time release of process documents
- Reduction in manufacturing cycle time
- Process capability improvement
- FAI acceptance rate
- Reduction in NCRs and rework
- Engineering change implementation effectiveness

Standards & Compliance

Work shall comply with AS9100D Quality Management System, customer engineering specifications, applicable aerospace standards, safety regulations, and company quality procedures.