



## Manufacturing Engineer Position Description

### **REPORTING RELATIONSHIP:**

Reports to: Quality Director  
Supervises: N/A  
Location: Tucson, AZ

### **POSITION SUMMARY:**

Develop and implement reliable and cost-effective manufacturing processes, document, maintain and support manufacturing processes and equipment that assure capable and reliable production of quality parts, provide guidance on manufacturing issues. Thoroughly check materials, procedures and mechanical or electrical systems to ensure that customers get high-quality, functional products. Run tests on various components and features in order to identify and fix technical issues. Provide process quality and compliance support to ensure products meet ISO, Safety and Regulatory standards by coordinating with the global engineering team and certification organizations.

### **ESSENTIAL FUNCTIONS:**

- Support and maintain product non-conformity from internal and external customers. Analyse and determines root causes and implements effective corrective actions.
- Establish part processing and implement processing and assembly of product to ensure the highest quality at the optimum production rate and the most economical cost.
- New project and product planning, scheduling, and implementation. Review new part drawings and processes for proper manufacturing.
- Mitigate process issues by performing a root cause analysis. Ensure implementation of short and long-term solutions to stabilize processes.
- Monitor and improve production output, improve task time, and scrap reduction.
- Drive improvement through problem solving methodologies, such as 8Ds, Kaizen, A3, Six Sigma.
- Monitor quality and reliability from manufacturing to drive actions that improve assembly quality and performance.
- Makes recommendations regarding supplier selection.
- pFEMA, CP, Process Flow, Work Instructions development and or improvement.
- Implement and execute PPAP Tools.
- Train staff in new and existing processes.

### **MINIMUM QUALIFICATIONS:**

- Bachelor's degree in Engineering or Science or equivalent combination of education and experience.
- 5 years' work experience in Manufacturing areas such as: Process Engineer, Quality Engineer or Continuous Improvement Engineer.
- Demonstrated expertise electronic diagnostic, electronic test equipment and troubleshooting.
- Sustain ISO 9001, Safety and Regulatory audits and certifications.
- Experience in electronic devices as: CCA & Harnesses.
- Working knowledge with manufacturing processes under ESD and FOD.
- Experience setting up BOM, Routers and labor cost.
- Advance Word, Excel, PowerPoint. Expert in Minitab or similar software.

**Preferred:**

- Project Management Experience.
- IPC610 or IPC/WHMA-A-620 training / certification.
- Green or Black belt certification.
- Microsoft Visio.