

## **Process Mechanical Engineer**

### **Job Description**

1. Mechanical engineering support to assembly lines for Box Assembly / Modular products:
  - Resolving problems with parts and assemblies, which do not fit or function properly
  - Reviewing and revising mechanical specifications when required
  - Identifying and redesigning parts and assemblies, to achieve cost reduction, quality/yield improvement
  - Understand Mechanical Cosmetic requirement to meet customer expectation
  - Perform mechanical part qualification and safety buyoff when needed
  - Responsible for packaging buyoff
  
2. Process engineering support from assembly, test, instrument Button Up until logistic submission:
  - Responsible for production process flow setup for any newly add process or new product launch
  - Resolving problems with production process to ensure smooth production flow without any impact to shipment revenue
  - Identifying and initiating the design and fabrication of assembly tooling needed to improve the quality and productivity
  - Familiar with process routing for proper standard product costing and manufacturing lead time roll up
  - BOM setup for material supply chain triggering and proper inventory backflush
  - Understand ISO requirement and execute Engineering change process for proper engineering change documentation
  - Responsible for all quality documentation as required for manufacturing process
  
3. Participates in product transfer / NPI project and continuous improvement project management.

### **Education Requirement**

- Bachelors or Masters Degree in Mechanical, Manufacturing Engineering, Mechatronics or similar discipline.

### **Skills Requirement**

- FMEA, problem-solving, statistical data analysis & design of experiment.
- Solid command of technologies, tools and best practices in designing mechanical equipment using AutoCAD, Solid Pro and other design SW
- Microsoft Access/C++ / C sharp is required to design manufacturing capacity optimization planning
- Able to design and fabricate tooling and mechanical test fixtures.
- Good understanding using SQC, Minitab and SQL SW language for statistic analysis
- Experience in using LEAN to optimize production waste, process improvement and cost avoidance planning

- Experience using Design Validation process for NPI products during Development stage
- Ability to interact effectively with people at all levels.
- Strong data analysis skills:
- Excellent communication skills.
- Technical presentation & report writing capability
- Ability to function effectively in a team environment.
- Ability to quickly learn new technologies.
- Good attitude on proactive approach and customer first mindset.
- Experience with ERP systems and manufacturing procedures will be added advantages.
- Knowledge in the following Project Management skills is an added advantage:
  - Planning and managing projects
  - Risk management
  - Scheduling and cost control