



# Manufacturing Process Engineer

Responsible for developing an optimized manufacturing process with the goal of increasing efficiency and productivity to reduce labor costs and improve quality.

## Job Description:

- Initiate DFM (design for manufacture) and DFA (design for assembly) directives within development group.
- Provide manufacturing expertise in product development.
- Draft and design layout of equipment, materials, and workspace to illustrate maximum efficiency using computer based drafting tools and 3D modeling techniques.
- Apply statistical methods and perform mathematical calculations to determine ideal manufacturing processes, staff requirements and production standards.
- Conduct study and analyses of sequence of operations, material flow and production reports and recommend optimizations.
- Prepare Operational Plans and work flow based upon review of technical documents.
- Generate graphical representations of industrial production systems

## Essential Skills:

- BS degree in Mechanical Engineering or Industrial Engineering.
- Minimum five (5) years of experience in machine tooling and fixture design in an electronics manufacturing environment with proven reliability.
- Experience in 3D modeling and design for electro-mechanical products.
- Established knowledge of available tooling and equipment to optimize production
- Experience in safe work environments and maintaining compliance with state and federal regulations.
- Proficient in Microsoft Office Suite of Tools

## Non-Essential Skills:

- Experience working in a Research and Development environment for electrical components (i.e. printers).
- Knowledge of Solidworks.
- Quality oriented with strict attention to detail.
- Superior written and verbal communication skills
- Highly organized self-motivated team player
- Inspecting equipment, structures, or material
- Inductive and deductive reasoning
- Critical thinking and strategy development
- Complex problem solving
- System analysis and evaluation
- Creative and capable of unique designs and out of the box thinking

**Physical Demands:**

- Occasionally required to sit; climb or balance; and stoop, kneel, crouch or crawl.
- Frequently lift and/or move up to 40 pounds.
- Vision abilities required for this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.
- Sitting 50%, Standing 45%, Bending 25%
- Willing and able to travel

This job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities and activities may change at any time with or without notice.