

## **Manufacturing Engineer**

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**Summary:** Provides subject matter expertise and support to production, with a primary focus in sustaining engineering, new product/process introduction and continuous improvement initiatives.

### **Essential Duties and/or Responsibilities:**

This list of duties and responsibilities is not all inclusive and may be expanded to include other duties and responsibilities that may deem necessary from time to time.

- Coordinates the manufacturing launch of new/revised products including establishing goals, training team members, and evaluating results including the development and execution of validation plans/protocols and performance analysis for manufacturing processes.
- Lead continuous improvement projects utilizing lean manufacturing & six sigma methodologies.
- Collect and analyze statistical process control (SPC) data to optimize manufacturing processes.
- Create engineering drawings and develop 3D solid models.
- Design fixtures to improve production and inspection processes.
- Create manufacturing work instructions.
- Create/modify programs for CNC machines.
- Create/modify programs for automated inspection equipment such as CMMs, vision systems and optical comparators.
- Provide engineering support for initial production runs for new product development.
- Provide documentation support for engineering change requests.
- Represents manufacturing on cross-functional teams.
- Performs other related duties as assigned.

### **Qualifications:**

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Experience with machining (turning, milling, grinding) and fabrication processes.
- Proficient with 3D CAD and solid modeling (SolidWorks a plus)
- Experience with CAM programming (PartMaker a plus)



- Knowledge of Geometric Dimensioning and Tolerancing (GDT) standards and use
- Highly organized with strong documentation skills
- Experience with dimensional measurement equipment including CMMs, optical comparators, vision systems, calipers, micrometers and bore gages.
- Strong quantitative skills including the use of statistics for decision making processes.
- Ability to use problem solving, project management and technical skills in a dynamic and diverse production environment.
- Good interpersonal and communication skills.

**Education/Experience:**

- A Bachelor's Degree in Mechanical Engineering or related field is preferred; or at least three or more years of similar experience in a Manufacturing Engineering role delivering results within a precision machining environment.
- Swiss turning process experience is highly desired.
- Medical and/or Aerospace experience is highly desired.
- Must be a US citizen or permanent resident.

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