



<b>Job Title:</b> Continuous Improvement Engineer	Department:	Manufacturing O/H
Reports to: Director of Manufacturing Engineering and Director of Manufacturing in support of production floor	Division:	Ithaca, NY
Hours: Full-time – 40 Hrs/week	Rev Date:	07-24-2020

## **Primary Function**

This position is responsible for identifying, managing and leading continuous improvement projects for Transonic's manufacturing processes with a goal toward improving efficiencies, reducing cost and improving quality by utilizing continuous improvement techniques.

### **I. Duties and Responsibilities**

- Investigate, evaluate, troubleshoot and resolve production issues including material use variances, bottlenecks and inefficiencies
- Identify opportunities and implement changes to improve manufacturing processes and to reduce costs, using knowledge of manufacturing processes, tooling and production equipment, assembly methods, quality control standards, and product design, materials and parts.
- Apply continuous improvement methods such as lean manufacturing to enhance manufacturing quality, reliability, or cost-effectiveness.
- Maximize efficiency by optimizing layout of equipment, workflow, assembly methods, and workflow utilization
- Assure product and process quality by designing testing methods; testing finished process and product capabilities; establishing standards; confirming manufacturing processes.
- Drive the implementation of Engineering Change Orders on the production floor.
- Prepare product and process reports by collecting, analyzing, and summarizing information and trends.
- Determine root causes of failures or quality issues and recommend changes in designs, tolerances, or processing methods.
- Drive the standardization of processes and the implementation of metrics & best practices which will assist in meeting or exceeding Transonic's standards for quality.
- Provide process expertise and support to Design and Product Engineers to refine product designs to increase producibility and decrease costs related to manufacturing
- Train Manufacturing personnel on production work instructions and process
- Perform other work-related duties as requested, directed or assigned by management.

### **II. Working Relationships**

- Works closely with Manufacturing personnel, Manufacturing/Sustaining/Product Engineers, Management, Quality and Regulatory Affairs
- Operates in a cross-functional environment

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### **III. Education and Experience**

- B.S. in Industrial or Manufacturing Engineering with practical experience on mechanical and electronic device manufacturing process & workflow
- Lean Six Sigma certification plus practical experience applying the tools in a production environment. Green belt certification or higher is preferred.
- Experience in medical device industry is preferred

### **IV. Knowledge, Skills and Abilities**

- Demonstrated ability to effectively manage projects and accomplish goals
- Should possess strong organizational, project management, and influencing skills with the ability to work on multiple projects and lead multiple teams
- Proven effective communication skills to work with shop floor personnel, technical teams and management to gain buy-in and support needed to accomplish the improvements
- Demonstrated ability to set priorities, meet deadlines and deliver projects on time in a fast-paced environment
- Ability to develop new training or methods of training related to production process and manufacturing work instructions.
- Strong problem solving and analytical skills
- Computer proficiency in Microsoft applications and capable of using other related software applications such as Macola, Crystal Reports, CRM or similar

### **V. Supervisory Responsibilities**

- No Direct Reports

### **VI. Physical Demands**

- Position primarily requires sitting, standing, talking and walking in an office environment and stooping, reaching, climbing, standing, walking and talking in a manufacturing and processing environment.
- Must be able to lift up to 25 lbs. and to adhere to safety requirements.
- Corrected vision and color distinction is required.

### **VII. Work Environment**

- Office environment including use of computers, computer systems & programs, phones, copiers, printers and other office equipment.



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- Manufacturing floor, clean room, machine shop, stock room, and shipping/receiving with occasional exposure to elements such as odor, noise, dust, heat, cold or chemicals as well as machining tools and equipment.
- Use of common Personal Protective Equipment (PPE) as appropriate and recommended.
- Domestic travel is minimal, and only as necessary.

Disclaimer: This Job Description is not intended to be all-inclusive and may be subject to change to include new responsibilities and tasks or change existing ones as management deems necessary to meet the ongoing needs of the company.