



HPC Fire Inspired, an innovator in the world of outdoor fire features since 1975, seeks qualified candidates for a Manufacturing Engineer position in Miamisburg, Ohio. Our team of skilled artisans and engineers work tirelessly to develop products such as fire pits, bowls, and custom fire features that are not only visually appealing but also safe, durable and easy to use. Below are a list of job duties and requirements associated with the Manufacturing Engineer position.

Job Duties:

- Set the process, train and create standard work and tools / displays for the team to use
- Process map end to end processes, identify source of non-value add activities and cost of poor quality
- Identify opportunities for automation, fixturing, and gauges to remove waste, increase capacity, improved efficiency, improved logistics, reduced labor & total OCOGS costs and reduced complexities
- Identify together with manufacturing engineering automation opportunities
- Develop and support Lean manufacturing engineering principles within the site
- Utilize various tools to solve manufacturing problems including, but not limited to: DMAIC, 8D, Fish Bone Diagrams, and other process improvement methodologies
- Lead projects and analyze losses and develop solutions and control plans using lean tools such as 5S, 5W, bottleneck analysis, Gemba, Kaizen events, Kanban, Poke Yoke, Value
- Stream Mapping, Visual Factory, Standardized work, Takt-time, Statistical tools, Control charts, Pareto's, Design of Experiments, etc.
- Conduct in-depth analysis including data collection and analysis in order to identify and implement improvements for processes and projects
- Facility layout optimization optimizing and leveraging lean cell design techniques
- Ensure the effective utilization of manufacturing plant equipment through the application of Continuous Improvement and Lean Manufacturing principles to drive a sustainable manufacturing culture of change
- Maintain broad knowledge of product design, manufacturing and assembly techniques
- Must be a hands-on person, with an ability to design, build and test fixtures and gauges

Requirements:

- Bachelor's degree in mechanical engineering or similar engineering discipline
- 18 months of prior work experience as an engineer designing products for sale to the public
- Experience with 3D CAD Software is required.
- Solid understanding of advanced Geometric Dimensioning and Tolerancing is required.

- Knowledge of and ability to develop workflows and lean processes is required.
- Knowledge of manufacturing engineering policies, principles, and procedures is required.
- Knowledge of Lean problem-solving tools and resources is required.
- Knowledge of Six Sigma or lean manufacturing tools or related certification is required.
- Experience working with ISO standards is required.