



PCI Manufacturing

Job Description

Job Title **Manufacturing Engineer of PCI Manufacturing**

Job Summary

Reporting to the Director of Sales, the Manufacturing Engineer is responsible for developing, implementing, and maintaining manufacturing processes and procedures in order to meet customer and quality requirements while meeting company goals and objectives. The Manufacturing Engineer will work within the sales team to accurately convert advanced designs into technical drawings, utilize necessary tools and skills to gather specifications, calculate material and equipment requirements, and recommend production methods. The Manufacturing Engineer will review customer provided content to understand drawing specifications and utilize computer aided design software (CAD) such as Solidworks to accurately create manufacturing/production/fabrication drawings. This includes helping to drive continuous improvement efforts in various processes driven by collecting accurate data with a focus on safety, quality, and cost.

Job Classification

This position is classified as exempt

Duties and Responsibilities

- Develop, design, implement, and improve production techniques with a keen focus on optimizing machine throughput, robotics, and automation.
- Maintaining engineering compliance through management of process specification and change requests.
- Prepare product and process documentation by collecting, analyzing, and summarizing information and trends.
- Works hand-in-hand with the Director of Sales to perform advanced drafting duties and responsibilities.
- Works hand-in-hand with the Production Manager to identify and improve manufacturing best practices and principles.
- Ensure the safe and efficient performance of every production task in compliance with company procedures, approved engineering data and local Health and Safety requirements.
- Serves as the key official to optimize and improve all planning and engineering services.
- Works in direct relation with Sales and Production to develop CAD models and to create manufacturing drawings necessary for production.
- Coordinates with production and purchasing for tooling lead times and availability and provides oversight in relation to all cutting table programming assignments and duties.
- Ensure safe systems of work and risk assessments (assisting as necessary in the completion of risk assessments) are adhered to for engineering or manufacturing activities.
- Carry out new product introduction and/or existing product modifications within engineering and/or manufacturing by contributing to activities such as facilitation of quality activities.



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Atmore, AL 35602
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- Deliver financial planning or costing analysis such as estimation of costs to manufacture, supplying drawings or specifications for quotations, calculating costs associated with quality problems or machine downtime.
- Produce and maintain reports measuring Key Performance Indicators for data management activities.
- Review engineering or manufacturing methods to ensure processes and current methods of manufacturing meet drawing specification requirements and are efficient and cost effective.
- Produce engineering and/or manufacturing documentation such as Standard Work Instructions, to aid and ensure consistent, compliant, and cost-effective manufacturing processes.
- Helps to develop and maintain positive customer relations.
- Suitable job duties and responsibilities could evolve into a hybrid role appropriately balanced between in-office and telework tasks with the proper management, control, and monitoring functions in place to ensure the desired effectiveness is achieved.
- Provides various technical assistance duties to PCIM needs.
- Performs other duties as assigned by Management.

Qualifications

- Bachelor's Degree in Engineering or closely related field required.
- Advanced knowledge of Solidworks and CAD/CAM software required with ability to demonstrate as a condition of employment.
- Must demonstrate the ability to learn ECI JobBoss2 software as a condition of employment.
- Two (2) years' verifiable knowledge of manufacturing, practices, procedures, techniques, and safety required with five (5) years experience preferred.
- Two (2) years' experience and verifiable knowledge of working with robotics and process automation strongly preferred.
- Ability to independently prepare and interpret flowcharts, schedules, and step-by-step action plans relative to manufacturing.
- Must encompass the ability to meet established deadlines and benchmarks working in an independent role.
- Strong organizational skills, including multitasking and time-management.
- Able to independently read and interpret advanced blueprints and other documentation.
- Demonstrated ability to communicate effectively both verbally and in writing.
- Must have valid driver's license.
- Ability to lift and manipulate objects up to 50 lbs.
- Ability to work independently with limited supervision.
- Ability to comply with all other requirements as specified within the Ecke Personnel Policies and Procedures.

Physical Requirements

The physical demands described herein are representative of those which must be met by an employee to successfully perform the essential functions of the job. Employees must possess the ability to work in a production environment.



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To visit other company sites, employees must be able to operate a motor vehicle which may require sitting for prolonged periods of time. Must possess the ability to quickly adjust controls, see details at close range, respond quickly to signals, and quickly move hands with arms to grasp, manipulate, or assemble objects. Must have hearing and speech to communicate in person in a noisy environment, before groups and over the telephone. Standing in work areas and walking between work areas will be required. This position requires an employee to bend, stoop, kneel, crouch, crawl, climb or balance, reach, push, and pull. The employee must regularly lift and/or move up to 50 pounds.

PCI Manufacturing LLC (PCIM) is an equal opportunity employer. PCIM does not discriminate on the basis of age, sex, race, national origin, religion, marital status, sexual orientation or identity, or disability.

*Preference may be extended to qualified Native American Indian candidates.
in accordance with applicable federal law.*



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