



Title: Production Engineer
FLSA: Exempt
Location: CA/TX

Summary: Responsible for developing, implementing and maintaining methods, operation sequence and processes in the fabrication of parts, components, sub-assemblies, and final assemblies. Develops and improves optimal, cost effective manufacturing processes and methods in accordance with product specifications and quality standards; recommends and implements improvements to production processes and controls; coordinates manufacturing. Responsible for owning production scheduling process, job travelers, and production control. Will interface with the Production Floor, Quality Assurance, Order Dept., Purchasing, Cost Accounting, Suppliers, and Customers to resolve technical and procedural issues.

Responsibilities:

- Evaluates and designs manufacturing processes by designing and conducting research programs; applying knowledge of product design, fabrication, assembly, tooling, and materials; conferring with equipment vendors; soliciting observations from operators.
- Improves manufacturing efficiency by analyzing and planning work flow, space requirements, assembly methods, and equipment layout.
- Assures product and process quality by designing testing methods; testing finished- product and process capabilities; establishing standards; confirming manufacturing processes.
- Provides manufacturing decision-making information by calculating production, labor, and material costs; reviewing production schedules; estimating future requirements.
- Carries out process improvement, problem resolution, project management and employee training.
- Prepares product and process reports by collecting, analyzing, and summarizing information and trends.
- Assists engineering director in improving a system of production control, standard operating procedures, safety, quality control and training.
- Prepares and maintains detailed layouts of buildings and equipment.
- Coordinates the manufacturing launch of new/revised products including establishing goals, training team members and evaluating results.

- Designs, develops and tests and/or sources and cost-justifies various tools, machinery and equipment for recommended manufacturing methods.
- Other tasks as directed by manager.

Requirements

- BS in Operations, Manufacturing, Supply Chain, Architecture or Engineering
- 3-5 years of experience production and manufacturing.
- Skilled in CAD software
- Successful in dealing with Complexity, Informing Others, Leadership, and Supervision
- Expert in Manufacturing Methods and Procedures, Manufacturing Quality, and Product Development
- Ability to be detail oriented, and work under tight deadlines with a sense of urgency.
- Able to work in a dynamic, fast paced environment, as the market develops in unpredictable ways, consistently producing high quality work and projecting a positive attitude.
- Excellent written, verbal communication, and problem solving skills.
- Must be able to prioritize and handle multiple tasks demonstrating excellent time management.
- Must have a valid drivers license with a clean driving record.
- Wear and use safety gear as required.

Desired

- Experience in the wood products industry with knowledge of veneer, lumber, wood composites and engineered wood products, flooring and laminated wood products a plus.
- Proficient use of tools and software such as MS Project or other systems, versed in the use of AutoCAD 2D and 3D Inventor and Microsoft Office.
- Strong experience in designing production processes and test processes
- Working knowledge of manufacturing methods procedures and cost reduction techniques.
- Trained in Six Sigma, LEAN, and/or 5S
- Familiar with TQM
- Proficient with Microsoft Office and ERP systems

PHYSICAL REQUIREMENTS:

- While performing the duties of this job, the employee is frequently required to stand, walk, use hands and fingers, handle or free objects, tools, or controls; reach with hands and arms; climb or balance; kneel, crouch or crawl; as well as speak and hear. The employee is frequently required to sit and stand.
- The employee must lift and or move up to 25 lbs of force occasionally and/or 10 lbs frequently and 5 lbs constantly.

OTHER:

- Travel and percentage of time away: Up to 10%
- Lifting and maximum weight of objects to be lifted: Up to 50 lbs.

JOB COMPLEXITY:

- Semi-routine and requires recognition of deviation from accepted practice. Exercise judgment within generally defined practices to resolve problems and make routine recommendations.

The above statements describe the general nature and level of work being performed by individuals assigned to this classification. This is not intended to be an exhaustive list of all responsibilities and duties required of personnel so classified.

Employee Signature:		Date:	
Manager Signature:		Date:	