



Manufacturing Engineer

NAI Gaylord, MI.

Position Summary:

To provide engineering technical expertise and the tools to support all phases of manufacturing and resolve manufacturing issues.

This position will report to the Operations Manager at NAI Gaylord.

Essential Job Responsibilities

Provides manufacturing with tools and technical engineering support. Implements new products and processes into production. Selects, designs, installs, qualifies, and modifies equipment and fixtures for new product launches and existing products. Develops, edits and releases work instructions, process flows, PFMEA's, testing boards, inspection fixtures, and process capability reports. Utilize CAD for plant layouts, tooling, fixtures, molding and part analysis.

Leads process design functions. Determines product flow with current engineering and continuous improvement techniques. Establishes resource requirements and material flow using industrial engineering techniques and internal standards to establish optimum productivity.

Analyzes various product structures and processes. Eliminates inefficiencies and reduces manufacturing costs through analysis of various product structures and processes. Performs DOE analysis to determine optimum operating parameters by manipulating variables and analyzing how they interact to achieve the most efficient cell measured by processing time, quality, and cost.

Monitors and controls objectives and costs of assigned projects. Establishes and follows program time lines.

Participates in continuous improvement activities. Reduces cycle time, down time, change over time; scrap, set-up time and improves processes, and/or tooling. Attend trade shows and working with vendors to stay current with the latest technologies, processes, and equipment.

Conducts manufacturing process tests. Selects, adapts, and modifies test equipment and procedures; sets up and operates equipment.

Troubleshoots, identifies, and implements systems and/or process needs and improvements. Implements changes to work cell layout, process flow, work standards, etc.

Participates as a member of the Operations Team. Participates in ongoing development, communication and implementation of team concepts, programs and policies. Coordinates work to ensure best practices with all team members. Fosters strong cohesiveness regarding

all major issues. Actively look for ways to reinforce actions needed to achieve synergy possible within the larger organization.

Performs other duties as necessary in support of business objectives. This position description is intended to guide the activities of the Manufacturing Engineer. It is not intended to limit the thinking and creativity of the person to the work of this function. Nor is it intended to describe all the work that may be required of the person in this position.

Educational Requirements	Experience Preferred
Bachelor's degree in Engineering, or closely related field.	<p>Technical Experience: Minimum of 3 years in engineering or related field. Thorough knowledge of materials, machine dynamics, etc. Technically current in machine design and/or equipment engineering with strong understanding of controls (i.e. operating logic) and ability to integrate into process equipment.</p> <p>Industry Experience: Good understanding and working knowledge of lean manufacturing systems, techniques, and tools.</p>
Essential Competencies	
<ul style="list-style-type: none"> • Managing projects and budgets • Automation and advanced electronic controls • Conveyance and packaging systems • Vision inspection systems • Design for manufacturing (DFM) • Design and Process FMEA • Design of Experiments (DOE) • Design for Six Sigma (DFSS) • Project Management • PPAP - Control Plans • ISO/TS 16949 	

Note: The above statements are intended to describe the general nature and level of work being performed and the competencies required by persons assigned to this job. They are not an exhaustive list of all duties, responsibilities, knowledge, skills, abilities, and working conditions associated with this job. This job description is not an employment contract and Coastal reserves the right to change this description at any time.