



Senior Mechanical Design Engineer

Job Description:

Wilmington NC has an immediate opening for an experienced Senior Mechanical Design Engineer. Wilmington Machinery is the recognized leader in developing innovative, blow molding and injection molding machines and processes to produce high output packaging and structural plastic parts. The Senior Mechanical Design Engineer would lead the mechanical and electrical engineering team in the designing of large machines with large moving parts using 3D design software to generate detailed drawings and designs.

Responsibilities:

- Timely and disciplined research and development of primary processing machinery comprised of mechanical, hydraulic, pneumatic, electrical and electronic components
- Preparation of accurate layouts, drawings and calculations while adhering to industry, government and company standards
- Use project management tools to manage product development (project timelines, cost estimating, project status reporting)
- Specifying requirements to control motion of mechanical designs and leading Control Engineers in this effort
- Leading multiple projects, providing supervision and direction of others in the preparation of layouts, detail drawings and Bills of Material
- Develop product specifications that meet functional requirements
- Help oversee development projects and project team members
- Critically review engineering designs

Education Requirements:

- Bachelor's or Master's degree in Mechanical Engineering or related fields

Desired Background/Skills:

- Minimum 10 years' experience in designing primary processing machinery (Plastics industry a plus)



Qualifications:

- Broad knowledge of motion controls, actuators, metallurgy, fasteners, power transmission, fabrication and metal machining
- Proficient in 3-D software: AutoCAD Inventor a plus Solidworks
- Experience with FEA analysis
- Experience in geometric dimensioning and tolerancing
- Experience in the development of Multi-level Bills of Material
- Have worked in an MRP environment
- Possess excellent written and oral communication skills and proficient in MS Office Products
- Strong problem solving and technical solution abilities
- Able to work to schedules and meet deadlines
- Able to work in a cross-functional environment
- Able to work to industry safety standards and codes

Knowledge of international standards a plus

- Strong verbal and written communication skills including the ability to plan and conduct meetings and training sessions
- Strong ability to analyze and interpret data and demonstrate excellent problem-solving skills
- Ability to work independently with minimal supervision
- Ability to work productively with others in a team environment
- Integrity and respect displaying a high degree of tact and diplomacy

Other Information:

- Must pass pre-employment background screening