



**WILMINGTON**  
M A C H I N E R Y

## **Mechanical Engineer**

**Location:** Wilmington, NC

**Job Type:** Full-time

**Salary:** Competitive, based on experience

**Benefits:** Comprehensive benefits package

### **About Wilmington Machinery**

Wilmington Machinery is a leader in designing and manufacturing large-scale low-pressure injection molding machinery. We serve a global customer base and are dedicated to innovation, quality, and customer satisfaction.

### **Job Summary**

This position would handle mechanical design for all Wilmington Machinery builds. Working hand-in-hand with controls and electrical engineering, you'll create a fully integrated and functional machine. The ability to select mechanical and fluid power components, design electro-mechanical fluid power systems, create schematics, BOMs and use Autodesk Inventor software to document thoroughly are paramount. Troubleshooting, testing and floor support of the mechanical systems would be required.

### **Skills Required:**

- Ability to design complex machinery to achieve the specifications given
- Understanding of the integration of mechanical systems, controls and hydraulic valving
- Ability to specify component requirements for a given machine concept (motors, pumps, etc.)
- Ability to specify mechanical component sizing considering safety factors and risk assessments
- Ability to create hydraulic schematics and BOMs
- Knowledge of PLC controls systems
- Troubleshooting, testing and production floor support
- Ability to use Microsoft Office Suite

### **Responsibilities:**

- Specify mechanical components for all machine builds
- Create and publish models, detailed drawings, hydraulic schematics and BOMs
- Keep up with redlines and revisions to aforementioned documents and publish to engineering
- Work with controls and electrical engineering to deliver a fully integrated mechanical package
- Ensure the company is operating in accordance with all relevant machine safety standards
- Communicate promptly and efficiently with colleagues
- Provide production support for all mechanical and hydraulic systems

**Wilmington Machinery, LLC.**  
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910-452-5090



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**Education and Experience Required:**

- Minimum 2-year degree in Mechanical Engineering or Mechanical Engineering Technology
- Minimum 5 years' experience in mechanical design
- Experience in controls integration
- Experience with Autodesk Vault