



Job Title: Manufacturing CNC Setup Operator

Location: Wood Dale, IL 60191

Job Type: [Full-Time/Part-Time/Temporary]

Job Overview:

The CNC (Computer Numerical Control) Setup Operator is responsible for setting up and operating CNC machines to manufacture precision parts and components. The role involves preparing machine tools, loading raw materials, and ensuring the equipment operates efficiently and accurately. The CNC Setup Operator ensures that parts are produced to specifications and meets quality standards within the established time frames.

Key Responsibilities:

- **Machine Setup and Calibration:**
 - Prepare CNC machines (such as lathes, mills, or routers) for production by setting up tooling, fixtures, and workpieces.
 - Install and align cutting tools, tool holders, and other necessary equipment to ensure proper machine function.
 - Set machine parameters such as speed, feed rate, and depth of cut according to engineering drawings, specifications, and work orders.
- **Production Operation:**
 - Operate CNC machines to perform tasks such as cutting, drilling, milling, grinding, or turning metal and other materials.
 - Monitor machine operations, adjust settings, and troubleshoot to maintain production quality.
 - Perform test runs to ensure accuracy and make necessary adjustments.
- **Quality Assurance:**
 - Inspect parts during and after production using precision measuring tools (calipers, micrometers, gauges) to ensure conformance to specifications.
 - Perform routine quality checks and document measurements, noting any deviations or defects.
 - Communicate with Quality Control personnel to resolve any non-conformance issues and implement corrective actions.
- **Machine Maintenance:**
 - Perform routine maintenance on CNC equipment, including cleaning and lubricating machines to ensure smooth operation.
 - Report any machine malfunctions or potential hazards to the supervisor and assist with troubleshooting and repairs when necessary.
- **Documentation and Record-Keeping:**
 - Read and interpret blueprints, technical drawings, and specifications.



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- Maintain accurate records of machine setups, tool changes, and production results.
- Document any changes made to the machine settings or production processes.
- **Safety and Compliance:**
 - Follow all safety protocols and ensure a clean and safe work environment.
 - Adhere to company policies and industry standards regarding safety, quality, and efficiency.
 - Wear appropriate personal protective equipment (PPE) and ensure proper usage of machine guards.

Qualifications:

- **Education:**
 - High school diploma or equivalent; technical certification or vocational training in CNC machining or manufacturing preferred.
- **Experience:**
 - Minimum of [X] years of experience in CNC machine operation or a related manufacturing field.
 - Experience setting up and operating CNC machines (e.g., mills, lathes, or routers) is required.
- **Technical Skills:**
 - Proficiency in reading and interpreting engineering drawings, blueprints, and CAD models.
 - Ability to use precision measuring instruments such as micrometers, calipers, and gauges.
 - Knowledge of CNC programming (G-code, M-code) and machine controls (FANUC, Haas, Siemens, etc.).
 - Basic understanding of machine maintenance and troubleshooting.
- **Soft Skills:**
 - Strong attention to detail and a commitment to producing high-quality work.
 - Good problem-solving skills and ability to work independently.
 - Effective communication skills and the ability to work as part of a team.
 - Ability to manage time efficiently and meet production deadlines.

Physical Requirements:

- Ability to lift up to 75 pounds, as required.
- Ability to stand for long periods, bend, and twist during machine setups and operations.
- Manual dexterity required for handling tools, gauges, and materials.

Working Conditions:

- Work in a manufacturing environment with exposure to noise, dust, and machinery.



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- Use of personal protective equipment (PPE) is mandatory (e.g., safety glasses, hearing protection, steel-toed boots, etc.).
- Shifts may vary depending on production needs.

Benefits:

- Competitive salary and benefits package.
- Growth opportunities.
- Training and development programs.