

# **BARDONS & OLIVER**

Solon, Ohio

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## **Machinist, CNC Lathe**

### **Summary:**

Works with minimal supervision to efficiently set up and operate CNC Lathe. Works to close tolerances machining parts of moderate to high difficulty and weighing up to several thousand pounds. Uses part drawings, routers, setup drawings and instructions for guidance in setting up workholding devices, steady rest, tail stock and standard tooling as needed. Uses overhead cranes and appropriate equipment and techniques to load parts. Establishes part alignment, data and tooling offsets. Loads and runs provided CNC program. Monitors the machining processes (turning, facing, boring, cutting internal and external threads, turning ID and OD tapers, and grooving) and checks dimensions with precision gages. Makes tooling adjustments as required to meet customer part specifications. Works with programmers and other production personnel to refine the CNC program and other supplied information. Uses time during machining cycle to perform other duties such as operating other equipment, deburring parts, and preparing for the next setup.

### **Common Duties:**

- Applies Lean principles, Bardons & Oliver Quality Policy and Quality System, and Safety Procedures. Maintains orderliness, cleanliness, security and functionality of work area and equipment used.
- Can navigate Computerized Manufacturing System to find all data needed and to report labor and production information.
- Responsible for participation in ADP program, including goals establishment and skills development.

### **Essential Duties and Responsibilities:**

- Includes the following (other duties may be assigned):
- Reads process sheets, blueprints, and sketches of part to determine machining to be done, dimensions and tolerances of finished work piece, and set up and operating requirements.
- Installs standard and special tooling in tool holders, turrets, and automatic tool change magazines per instructions. Can identify and use tooling required for boring, facing, turning, cut-off, threading, drilling, tapping, and grooving operations.
- Is able to correctly use hard jaws along with boring and turning soft jaws. May also select, align, and secure work-holding fixtures.

- Uses overhead cranes in lifting or flipping items weighing up to several thousand pounds. Mounts work piece between centers, in chuck, or to fixture. Checks work piece to ensure sufficient stock and correct positioning to perform required operations.
- Selects, sets and verifies measuring gages used to check product dimensions.
- Has machining and programming knowledge sufficient to optimize the machining process.
- Can prove out and troubleshoot new CNC programs.
- Adjusts the machine controls or program as required. Inspects first run piece and spot checks succeeding pieces for conformance to specifications.
- Leaves sufficient stock for subsequent operations.
- Can use a tool dispenser machine.
- Can correctly input and adjust "fixed" and "wear" offsets to achieve and maintain part tolerances.
- Monitors tool cutting performance and wear, replacing cutting tools such as inserts, drills, taps, etc. to maximize production and minimize tooling costs.
- Makes use of time during cutting cycles to do additional tasks such as setting up and operating another machine, preparing for the next job or deburring parts.
- Performs basic maintenance on machine per instructions.
- Troubleshoots problems.
- Confers with supervisor, engineers, production personnel, programmers, or others as needed to resolve problems and make improvements.
- Reports non-conformances.
- Labels finished parts for movement to next operation.

#### **Potential Duties**

- Prioritizes work load and assigns tasks within the lathe department