



## **Position: CNC PUNCH AND BRAKE OPERATOR**

**Description:** Sets up and operates CNC turret punches to fabricate metallic and nonmetallic parts, applying knowledge of machine shop theory and procedures, shop mathematics, punchability of materials, and layout techniques:

### **Duties:**

- Interpret blueprints, manuals, specifications, or sample part to determine dimensions and tolerances of finished workpiece, sequence of operations, and setup requirements.
- Select dies, accessories, and materials on CNC punches.
- Calculate and set controls to regulate punching factors.
- Ability to retrieve, input, or edit computerized machine control media.
- Start and observe machine operation to detect malfunctions or out of tolerance punching, and adjust machine controls as required.
- Verify dimensions of finished part using measuring instruments, such as micrometers, height gauges, cmms and Virtek laser inspection.
- Properly deburr edges and holes of parts. Protect parts from damage during run and subsequent operations.

### **Qualifications:**

- Ability to set up and operate CNC press brakes. Ability to select appropriate punches and dies for bending.
- Determine when a measurement is falling out of spec.
- Blue Print Reading - ability to identify and interpret various view orientations.
- Ability to identify company, drawing # and revision level, identify tolerance, interpret bill of materials (BOM), calculate bend allowance for various materials and grind dull punches and dies.
- Recognize when exceeding routed times for set-up & production.
- Can identify proper materials, overall sizes, number of holes, finishes etc.
- Can set basic tool offsets, machine zeros, punch and die offset values
- Program and adjust CNC program values.
- Knowledge of CNCKAD.

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