

## Job Description

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**Toledo Metal Spinning Company is looking for a responsible, trained Metal Spinner with experience and knowledge. We are an 87 year old family owned manufacturing company that has built the business on a reputation of quality and exceptional customer service. TMS forms metal by metal spinning, stamping, deep drawing, machining, welding and shearing.**

**PLEASE DO NOT RESPOND IF YOU DO NOT HAVE METAL SPINNING EXPERIENCE!**

**Basic Function and Scope of Responsibilities** : Produces spun parts by programming, setting up, and operating play-back numerical control (PNC)/CNC lathes, manual lathes, and other type machines; maintaining quality and safety standards; computerized record keeping; maintaining equipment and supplies.

### **Essential Functions:**

- Confer with engineering, supervisory, and manufacturing personnel in order to exchange technical information. Design fixtures, tooling, and experimental parts to meet special engineering needs.
- Plans spinning by studying work orders, blueprints, engineering plans, materials, specifications, orthographic drawings, reference planes, locations of surfaces, and machining parameters, interpreting geometric dimensions and tolerances (GD&T).
- Manual Spinning - Sets up and operates spinning lathe to spin shaped articles from sheet or plate metal, using blueprints and knowledge of physical properties of metal: Bolts specified spin chuck to headstock spindle and follower block to tailstock, using hand tools or power tools.
- Manual Spinning - Clamps metal disk to chuck by turning hand wheel that forces follow block against disk.
- Manual Spinning - Secures steady rest fixture on cross-slide.
- Manual Spinning - Starts machine and coats outside of rotating disk with spinning compound.
- Manual Spinning - Positions, holds, and moves long-handled compound lever tool against disk, using steady rest as fulcrum point, to apply required pressure to form disk over and into shape of spinning chuck.

- Manual Spinning - Varies amount and location of pressure on disk according to type of metal, shape of spinning chuck, speed of lathe, and temperature and thickness of metal disk.
- Manual Spinning - Replaces steady rest with bar tool attachment, turns hand wheel to set bar tool and cut off excess metal from work piece.
- Manual Spinning - May form wood spinning chucks by turning on lathe.
- PNC/CNC Spinning - Sets up and operates CNC spinning lathe to spin shaped articles from sheet or plate metal, using blueprints and knowledge of physical properties of metal: Bolts specified spin chuck to headstock spindle and follower block to tailstock, using hand tools or power tools.
- PNC/CNC Spinning - Programs lathes by entering instructions, including zero and reference points; setting tool registers, offsets, compensation, and conditional switches; calculating requirements, including basic math, geometry, and trigonometry; proving part programs.
- PNC/CNC Spinning - Verifies settings by measuring positions, first-run part, and sample work pieces.
- Omera Trimmer/Beader/Flanger - Sets up and operates machine to trim, bead, curl or flange sheet metal cylinders or formed parts to blueprint specifications.
- Omera Trimmer/Beader/Flanger - Sets appropriate pneumatic cylinders used to hold forming dies and cutters.
- Omera Trimmer/Beader/Flanger - Bolts specified roller dies drives rolls onto spindles.
- Omera Trimmer/Beader/Flanger - Positions spindles to align male & female roller dies adjusts rolls to thickness of metal, using feelers, rule, shims, gauges and additionally hand tools.
- Omera Trimmer/Beader/Flanger - Sets alignment guides.
- Omera Trimmer/Beader/Flanger - Programs machine controls which stops machine or activates machine when specified length of strips has been run
- Verifies settings by measuring positions, first-run part, and sample work pieces, adhering to blueprint or customer specifications.
- Observe and listen to operating machines or equipment in order to diagnose machine malfunctions and to determine need for adjustments or repairs.

- Measure, examine, and test completed units in order to detect defects and ensure conformance to specifications, using precision instruments such as micrometers.
- Clean and lubricate machines, tools, and equipment in order to remove grease, rust, stains, and foreign matter.
- Documents actions by completing production and quality logs.
- Maintains equipment by completing preventive maintenance requirements; following manufacturer's instructions, troubleshooting malfunctions and calling for repairs.
- Maintains safe operations by adhering to safety procedures and regulations.
- Perform other job-related duties as assigned.

**Education Requirements:**

- (R) High School Diploma or GED.
- (P) Vocational School or equivalent experience (2 to 3 years).

**List specific examples of degree(s), area(s) of study, and/or licensure(s), denoting (R) if required or (P) if preferred**

**Training, Skills, Knowledge and/or Experience: List specific examples, denoting (R) if required or (P) if preferred**

- (R) PNC/CNC Programming.
  - (R) Intermediate math skills- algebra, geometry and trigonometry.
  - (R) Advanced measurement skills. – Vernier calipers, micrometers
- (R) Read, interpret technical drawings and standards. – ability to read/understand part prints
- (R) Interpret, and document QC standards, and applications required as a part of the operation.
  - (R) Knowledge of tooling capabilities and applications for both PNC/CNC and manual lathe processing.
- (R) Knowledge and application of fixtures.
- (R) Knowledge of production processes, and material.

- (R) Strong mechanical abilities and craftsmanship.
- (P) Strong communication abilities.
- (P) Critical thinking abilities.
- (R) Ability to monitor multiple machines at same time.
- (R) Ability to produce parts within tolerances.
- (R) Ability to measure, cut, or work on items with great accuracy.
- (R) PPE.
- (R) Lock out tag out.
- (R) Ability to produce at rate – production output
- (R) 5S – Maintain organized, clean workplace
- (P) Forklift certified.

Job Type: Full-time

Required education:

- High school or equivalent

Required experience:

- Metal Spinning: 3 years