



TITLE: Machine Operator

DEPARTMENT: Production

LOCATION: Kansas City, KS

REPORTS TO: Production Foreman

POSITION DESCRIPTION (LEVEL 4 ONLY)

The position of machinist is responsible for Forms component parts of product by operating fabricating equipment. The machinist determines use of operations; prepares machine for production; regulates machining; produces parts; maintains specifications and stock inventory; resolves production problems; ensures operation of equipment. Individual should be detail oriented and understand that everything leaving our facility is a representation of the employees, company, and reputation. Some overtime work may be required.

- Quality: 99% accuracy.
- Quantity: 100% of standard.
- Attendance: Adheres to scheduling and attendance requirements.

PHYSICAL REQUIREMENTS

- Ability to lift between 0 – 50 lbs.
- Up to 100% standing with occasional squatting and sitting.
- Hand functions of grasping, pinching with fingers, pushing and pulling with finger tips and hands, rotating fingers and hands, manipulation of machine controls, tools, and parts is required.
- Ability to identify parts and tools, observe operations of machine, visually inspect completed parts.

COGNITIVE REQUIREMENTS

- Interpersonal and communication skills: Ability to follow directions, ability to cooperate, work and communicate with co-workers, supervisors, and/or outside contacts.
- Language skills: English.
- Reading/writing: Ability to read and write numbers, words and blueprints.

FUNCTIONAL REQUIREMENTS

- **General:**
 - Set up and operation of lathe, mill and drill machines; set up, programming and operation of CNC machines.
- **Specific:**
 - Determines sequence of operations by studying blueprints, specifications and work orders.
 - Prepare machine for production by positioning and securing fixtures, stops, guides, and turntables.
 - Produce parts by locating and marking reference points on work piece with rule, compass, template, etc.; positioning or aligning work piece against stops and guides or with die.
 - Regulate machining by setting and adjusting controls.
 - Operate equipment, including drilling, reaming, tapping, broaching, grinding, drill sharpening and tool grinding and sharpening.

THE PEOPLE, PARTS AND SYSTEMS THAT KEEP THE LINE MOVING.

- Maintain specifications by observing operations; detecting malfunctions; inspecting parts; adjusting controls.

Tools: Operate miscellaneous hand tools, calipers, gauges, rules, templates, dies and any tools required to perform the job. Tools must be kept functional, in good working order and be calibrated at appropriate intervals

EXPERIENCE/KNOWLEDGE

- High school diploma or GED required.
- Proficient at using manufacturing equipment controls and instrumentation to monitor progress and determine actions;
- Extensive knowledge of manufacturing methods and procedures;
- Demonstrated competency with the tools required for mechanical inspection (calipers, gauges, etc.);
- Strong working knowledge of quality and inspection requirements, manufacturing processes, and measurement techniques;
- Ability to set up, program, and run any given job on all CNC machines in the plant

PROGRESSIVE SKILL SET

- Entry Level (Level 1)
 - To be proficient at or able to quickly learn Drilling, Reaming, Tapping, Broaching, Off-Hand Grinding, Sharpening, Low Tolerance (+/- .005") Lathe and Mill work. Ability to comprehend basic set up techniques in order to perform these duties. Ability to learn the set up and operation of lower priority jobs such as milling key ways and machining of stubs. Proficient at or ability to learn the proper use of precision measuring instruments and hand tools. Must be able to perform these duties with a 99% accuracy rate and a 99% efficiency rate of standard.
- Level 2
 - High tolerance (+/- .0005") Lathe and Mill work level 1 experience. Ability to set up and run any given job on one's own ability, responsibilities will include the ability to do precision bearing and sleeve work, finish rotors, cylinders and end plates. Must be able to perform these duties with a 99% accuracy rate and a 99% efficiency rate of standard.
- Level 3
 - Levels 1 and 2 knowledge, CNC operator abilities to do minor editing and offset changes on one's own ability on all CNC machines in the shop. Must be able to perform these duties with a 99% accuracy rate and a 99% efficiency rate of standard.
- Level 4 (Highest)
 - Levels 1, 2 and 3 knowledge. Abilities to set up and program any given job on all CNC machines in the shop proficiently without instruction. Must be able to perform these duties with a 99% accuracy rate and a 99% efficiency rate of standard.

THE PEOPLE, PARTS AND SYSTEMS THAT KEEP THE LINE MOVING.