



# Signal Metal Industries, Inc.

## Machinist

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**Department:** Machine Shop

**FLSA Status:** Non-Exempt

**Grade/Level:** Machinist Salary Grade

**Work Schedule:**

Actual Shift assigned by Manager or Supervisor. Possible 8-12 hours shifts  
4-6 days/week.

**Job Status:** Fulltime

**Reports To:** Manager or Supervisor

**Travel Requirements:** None

**Position Supervised:** None

### POSITION SUMMARY

Operate computer-controlled, conventional machines, or robots to perform one or more machine functions on metal work pieces

### ESSENTIAL FUNCTIONS

#### Reasonable Accommodations Statement:

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. Reasonable accommodation may be made to enable qualified individuals with disabilities to perform the essential functions.

#### Essential Functions Statement(s)

- Must be able to perform all duties with required and correct personal protective equipment (PPE).
- Measure dimensions of workpieces to ensure conformance to specifications, using precision measuring instruments, templates, and fixtures
- Remove and replace dull cutting tools
- Mount, install, align, and secure tools, attachments, fixtures, and workpieces on machine, using overhead crane, or by hand, aligning by using hand tools and precision measuring instruments.
- Listen to machines during operation in order to detect sounds such as those made by dull cutting tools or excessive vibration and adjust machines to compensate for problems.
- Adjust machine feed and speed, changes cutting tools, or adjust machine controls when automatic programming is faulty or if machines malfunction.
- Remove finished workpieces, or change tooling, setup, or workpiece placement, according to required machine sequences.
- Lift workpieces to machine manually =, or with hoist or cranes.
- Modify cutting program to account for problems encountered during operation and save modified programs.
- Calculate machine speed and feed ratios, and the size and position of cuts.
- Input initial part dimensions into machine controls panels.
- Have complete understanding of or know how to formulate speeds and feeds of tools.



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- Set-up and operate computer-controlled machines or robots to perform one or more machine functions on metal or plastic workpieces.
- Confer with supervisors or programmers to resolve machine malfunctions and production errors, and to obtain approval to continue production.
- Review program specification or blueprints to determine and set machine operations and sequencing.
- Monitor machine operations and control panel displays, and compare readings to specifications in order to detect malfunctions.
- Control coolant systems when necessary.
- Maintain machines, and remove and replace broken or worn machine tools, using hand tools.
- Stack or load finished items, or place items on conveyors systems.
- Clean machines, tooling, and parts, using solvents or solutions and rags.
- Enter commands or load control media such as tape, cards, or disks into machine controllers in order to retrieve programmed instructions.
- Transfer commands from servers to computer numerical control (CNC) control modules, using computer network links.
- Implement changes to machine programs at the machine if approved by Supervisor or Manager.
- Write simple programs for computer –controlled machine tools.

### POSITION QUALIFICATIONS

- Accuracy - to perform work accurately and thoroughly.
- Applied learning – to participate in needed learning activities in a way that makes the most of the learning experience.
- Detail Oriented – to pay attention the minute details of a project or task.
- Organized – Possessing the trait of being organized or following a systematic method of performing a task.
- Reliability – the trait of being dependable and trustworthy.
- Responsible – to be held accountable or answerable for one’s conduct.
- Safety Awareness – to identify and correct conditions that affect employee safety.
- Accountability – Ability to accept responsibility and account for his/her actions.

### SKILLS & ABILITIES

**Educations:** Prefer High School Graduate or Technical school graduate or GED, but related work experience maybe substituted for education.

**Experience:** Two years related experience

**Computer Skills:** Must be proficient with computers if operating CNC machines.

**Other Requirements:** Must supply your own tools



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## PHYSICAL REQUIREMENTS:

- Must be able to perform duties in a safe manner. This job requires the ability to wear a hard hat, safety glasses, metatarsal boots, hearing protection, and other required PPE equipment.
- Must be able to bend, stoop, climb, and reach around all areas of equipment.
- Lift up to 50lbs.
- Will work in varied environments (in all weather conditions heat, cold, wet, humid, dry and/or dusty conditions).
- Read, comprehend and complete basic checklists, forms or other related documents.
- Must be willing to work overtime as required.

## PHYSICAL DEMANDS

Physical Demands		Lift/Carry	
Stand	C (Constantly)	10 lbs. or less	F (Frequently)
Walk	F (Frequently)	11-20 lbs.	O (Occasionally)
Sit	O (Occasionally)	21-50 lbs.	O (Occasionally)
Handling / Fingering	F (Frequently)	51-100 lbs.	N (Not Applicable)
Reach Outward	F (Frequently)	Over 100 lbs.	N (Not Applicable)
Reach Above Shoulder	F (Frequently)	Push/Pull	
Climb	F (Frequently)	12 lbs. or less	F (Frequently)
Crawl	F (Frequently)	13-25 lbs.	O (Occasionally)
Squat or	F (Frequently)	26-40 lbs.	O (Occasionally)
Kneel Bend	F (Frequently)	41-100 lbs.	O (Occasionally)

N (Not Applicable)	Activity is not applicable to this occupation.
O (Occasionally)	Occupation requires this activity up to 33% of the time (0-2.5+ hrs. /day)
F (Frequently)	Occupation requires this activity from 33-66% of the time (2.5-5.5+ hrs. /day)
C (Constantly)	Occupation requires this activity more than 66% of the time (5.5+ hrs. /day)