Machinist, Entry level - Job Description

ID: R10191284

RELOCATION ASSISTANCE: No relocation assistance available

CLEARANCE TYPE: None

TRAVEL: Yes, 10% of the Time

**Description**

At Northrop Grumman, our employees have incredible opportunities to work on revolutionary systems that impact people's lives around the world today, and for generations to come. Our pioneering and inventive spirit has enabled us to be at the forefront of many technological advancements in our nation's history - from the first flight across the Atlantic Ocean, to stealth bombers, to landing on the moon. We look for people who have bold new ideas, courage and a pioneering spirit to join forces to invent the future, and have fun along the way. Our culture thrives on intellectual curiosity, cognitive diversity and bringing your whole self to work — and we have an insatiable drive to do what others think is impossible. Our employees are not only part of history, they're making history.

**PRIMARY FUNCTION:**

Analyze data and plan sequence of operations and set up and perform a variety of machining operations on a limited number of large manual and CNC/DNC vertical and horizontal milling, drilling, broaching, boring, and turning machines. Machine parts with numerous steps, diameters, and fits to exacting tolerances of finish, perpendicularity, concentricity, parallelism where details are not normally provided.

**TOOLS AND EQUIPMENT:**

Manual and CNC/DNC horizontal/vertical milling, boring, drilling, broaching, and turning machines, layout machine and table, tracer attachments, indexing tables, shims, nuts, bolts, clamps, chuck jaws, fixtures, jigs, vises, tool holders, end mills, face mills, drills, taps, reamers, boring bars, carbide tools, high speed tools, broaches, templates: scribes, hammers, wrenches, height gages, gage blocks, tape punches, micro‑cassette recorders, cranes, rigging, etc. Electronic/manual measuring equipment including scopes, levels, indicators, verniers, squares, micrometers, gages and chart recorders.

**MATERIAL:**

Carbon and stainless steel, alloy steel, aluminum, brass, bronze, rough and semi‑finished stock, castings, forgings, fabrications, cutting oil, coolant, hydraulic fluid,  etc.

**DIRECTION OF OTHERS:**

Direct Crane Operator/Slinger personnel in positioning workpiece and removing from machine.

**WORKING PROCEDURE:**

1.   Align, shim, and position tools in holders to exacting tolerances. Select and set optimum speeds and feeds. Set read out and positioning indicators for reference.

2.   Analyze manufacturing information, production drawings, instructions, and parts. Plan sequence of operations, method of holding and aligning workpiece, and machining cuts required to obtain specified finishes and tolerances where details are not normally provided.

3.   Lay out and scribe or mark on parts reference lines and center points for precise machining dimensions where     accuracy is essential. Use trigonometry and geometry tables and/or charts to determine dimensions for bolt circles, angles, chords, etc.

4.   Position, align, level and clamp workpieces and/or fixtures to exacting tolerances in all axis. Improvise as necessary to prevent distortion in positioning and holding part.

5.   Set up, operate/perform and adjust any (8) of the following types of machines/machining operations Manual: 1) Boring Mill‑Horiz, 2) Boring Mill‑Vert, 3) Lathe‑Horiz, 4) Planer Mill, 5) Line Boring, 6) Drilling, 7) Superfinishing, 8) Layout, 9) Broaching (multiple or single task), 10) Grinding. CNC,/DNC: 1) Boring Mill‑Horiz, 2) Boring Mill‑Vert, 3) Lathe‑Horiz, 4) Drilling, to machine a variety of parts with numerous steps, diameters and fits to accomplish exacting tolerances of finish, perpendicularity, concentricity, parallelism and flatness, etc.

6.   Develop and/or follow the sequencing of CNC/DNC machines. Prepare, proof or make changes to programs as necessary to produce part to specifications. Correct program errors and supplement movement in manual mode and perform operations.

**This is a Union Represented position.**

**BASIC QUALIFICATIONS:**

* High School Diploma or equivalent GED.
* Certificate of Completion in an accredited Tool Technology Training Course or currently enrolled.
* A minimum of 1 year experience in machine tool operation, such as manual Mills, Lathes and or CNC machining centers in a manufacturing environment.
* A minimum of 1 year with interpreting blueprints, sketches, manufacturing instructions and GD&T (Geometric Dimensioning and Tolerancing).
* A minimum of 1 year with CNC machine code, MDI and manual machining. (Manual Data Input)
* A minimum of 1 year with measuring instruments such as indicators, calipers, micrometers, bore micrometers, height gages, thread gauges and other hand tools.
* US citizenship is required.

**PREFERRED QUALIFICATIONS:**

* Minimum of 1-2 years work experience with machining; Horizontal Mill, Vertical mill, Vertical Lathe, Horizontal Lathe.
* Minimum of 1-2 years with set up of manual and or CNC Vertical and Horizontal Mill and Lathe, Offsets, Fixtures, Planer Jacks, Ground Blocks, etc.
* Minimum of 1-2 years in maintaining tolerances within .0002 inches.
* Minimum of 1-2 years with machine set up and program process improvements.
* A current/active or ability to obtain DOD Secret clearance.

The application period for the job is estimated to be 20 days from the job posting date. However, this timeline may be shortened or extended depending on business needs and the availability of qualified candidates.

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