
CNC Mill Machinist

Position Details

Job Summary:

CNC machinists are responsible for setting up the CNC machinery for product runs. This includes ensuring the machine has the correct computer program, is in the right position, has power and is performing correctly. CNC machinists are also responsible for checking the product made by the machine and ensuring it meets all quality specifications.

Essential Duties and Responsibilities:

- Plans machining 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).
- Programs mills and 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.
- Sets-up mills and lathes by installing and adjusting three- and four-jaw chucks, tools, attachments, collets, bushings, cams, gears, stops, and stock pushers; indicating vices; tramming heads.
- Loads feed mechanism by lifting stock into position.
- Verifies settings by measuring positions, first-run part, and sample workpieces; adhering to international standards.
- Maintains specifications by observing drilling, grooving, and cutting, including turning, facing, knurling and thread chasing operations; taking measurements; detecting malfunctions; troubleshooting processes; adjusting and reprogramming controls; sharpening and replacing worn tools; adhering to quality assurance procedures and processes.

Knowledge, Skills and Abilities:

- Must possess basic math skills to include but not limited to adding, subtracting, multiplication, division, geometry and algebra for the purpose calculating material fabrication.
- Intermediate knowledge and application of precision measuring instruments and the application of such instruments. Instruments should include but not limited to calipers, ID and OD micrometers, depth, gages, indicators and scales.
- Intermediate knowledge of reading drawings and specifications with an intermediate understanding of geometric tolerance and dimensions.
- Intermediate knowledge of tool holders, cutting tools, boring bars, fixtures, inserts and other accessories used on various machines. Be able to sets-up mills and lathes by installing and adjusting three- and four-jaw chucks, tools, attachments, collets, bushings, cams, gears, stops, and stock pushers; indicating vices; tramming heads.
- Be able to programs mills and 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.
- Must be adaptable to a changing work environment, competing demands and is able to deal with frequent change, delays or unexpected events.
- Good work ethic and flexibility to work overtime and shift is a must.
- Must be able to work in a fast paced environment and meet deadlines, and stand for long period of time.

- Must be able to contribute to continuous improvement techniques to improve output, quality, cost and delivery.

Educational/Certification Requirement:

- High school diploma or GED

Experience Requirement:

Work Experience:

- Minimum of 1 year experience operating CNC machines such as lathes and milling machines in a heavy manufacturing environment.

Physical Demands and Working Conditions:

Criteria:

Work Environment:

- Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions
- Works in a manufacturing, office, warehouse and/or cleanroom environment.

Physical Demands :

- Ability to climb, stoop, kneel, crouch, reach, walk, push, pull and grasp.
- Ability to lift up to 25 lbs.
- Ability to lift over 25 lbs. with assistance.
- Ability to move arms, hands and fingers.
- Work may require the ability to lift 10-20 pounds infrequently
- Ability to Talk on phone and use computer for extended periods of time may be required.

Environmental Exposure:

- Required to have visual acuity to perform assigned tasks.
- Ability to sit for sustained periods of time.
- Subject to hazards including electrical current, moving mechanical parts, and exposure to chemicals and debris.
- Required to wear personal protective equipment where applicable
- May involve exposure to moderate noise levels from printers, faxes, computer etc.

Overnight Travel:

- Work may require out of town travel depending upon assignment (training and meeting).