



JOB DESCRIPTION: CNC Programmer/Operator

Location:

SkyWay Manufacturing
3 Lou Stroup
Uvalde, Texas 78801
www.skyway-mro.com

Position Overview:

CNC Programmer/Operator is responsible for programming, setting up, and operating CNC mills, lathes, and other machines as required. Work in conjunction with other operators and engineering team to make prototypes and production parts. This role requires a strong understanding of Drawings, Specifications, Dimensions, Tolerances and correct use of precision measuring instruments. CNC programming experience is required, with awareness to manufacturing methods, sequence of operations, setups, tooling and use of tools. Understanding quality control is fundamental to this position.

Key Responsibilities

Programming and Setup:

- Develop and optimize CNC programs using CAD/CAM software based on engineering drawings and specifications (3 & 4 axis).
- Assist in development of fixture plates and holding fixtures for the parts produced
- Set up and configure CNC machines, including tooling selection, machine calibration, and fixture setup.
- Test programs for accuracy and troubleshoot issues related to machine programming and operations.

Machine Operation:

- Serve as backup machinist and perform machinist work when needed
- Operate CNC mills, lathes, and other machinery to fabricate parts to precise dimensions.
- Monitor machine operations and adjust as necessary to ensure part quality and adherence to specifications.
- Perform manual machining tasks as required, using conventional lathes, mills, and grinders.

**Quality Control:**

- Inspect manufactured parts for defects, dimensional accuracy, and adherence to the tolerances provided in the drawings using precision measuring instruments.
- Work with quality assurance team and engineering to resolve production issues and improve manufacturing processes.

Maintenance and Safety:

- Perform routine maintenance on machines, tools, and equipment to ensure optimal performance.
 - Make sure the tools used are sharp and replaced when necessary.
 - Keep up with the consumable fluids required for the CNC operations (replenish coolant and grease as required)
- Adhere to safety protocols and maintain a clean and organized work environment.
- Follow safety protocols and wear proper personal protective equipment (PPE).

Continuous Improvement:

- Suggest and implement process improvements to enhance productivity, efficiency, and part quality.
- Stay updated on advancements in CNC machining, programming techniques, and tooling technologies.

Machines Include:

Haas VF6

Haas VF2

Blue Elephant (Fanuc)

Skills and Qualifications:

- High school diploma or equivalent; technical degree or certification in machining or a related field preferred.
- Minimum of 3 years' experience in CNC Programming.
- Proficiency in CAD/CAM software (e.g., Mastercam, Fusion, etc.).
- Must be familiar with SolidWorks and AutoCAD.
- Edit G-code, and M-code from CNC controller
- Understanding of work holding, and fixtures, speeds and feeds of machines, and tool selection.
- Strong understanding of blueprint reading, DG&T, and precision measurement tools.
- Ability to diagnose and troubleshoot machining issues and recommend corrective actions.
- Strong focus on accuracy, precision, and quality control to meet tight tolerances.
- Effective communication skills to collaborate with engineers, production team, and quality assurance.



- Basic math skills.
- Basic mechanical aptitude.
- Ability to follow instructions and work independently.
- Ability to use and read a measuring tape (fractions and decimals)
- Attention to detail and a commitment to safety.
- Physical ability to lift and move material.
- Must be a team player with a positive attitude and strong work ethic.

Work Environment:

- Shop setting with moderate movement.
- Exposure to noise, heat, and industrial materials.

Physical Demands:

- Ability to lift 50lbs.
- Sitting/standing/stooping/moving around for extended periods of time.
- Operating hours
 - Monday – Thursday, 7AM to 6PM
 - May be requested to work unscheduled overtime.

Compensation:

- Wage commensurate with experience
- Select paid holidays.
- Paid vacation.
- Medical
- Dental
- Vision
- 401(K)
- Life Insurance
- Voluntary Accident Plan
- Hospital Indemnity Plan
- Telemedicine Plan

Contact:

Human Resource Director

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