

Orenco Systems, Inc.

Job Description

Job Title: CNC Machinist/Programmer **Job Code:** CNCMP
Salary Grade: 24
Department: Tooling & Fabrication **FLSA Status:** Exempt

GENERAL POSITION SUMMARY:

This position works under minimal supervision to set up, operate, and program Computer Numerical Controlled (CNC) machinery to fabricate metallic and nonmetallic parts. This position also performs standard machinist tooling tasks when not assigned jobs in the primary CNC role.

(Note: the pay grade for this position is in a range of grade 22 to 25 DOE)

RESPONSIBILITIES:

Essential Functions:

- - Sets up and operates CNC machines to run according to production schedule of both internal and external jobs in order to meet customer requirements.
 - Studies part drawings to determine dimensions and tolerances of finished work piece, sequence of operations and set up required.
 - Calculates and sets controls to regulate machining factors such as speed, feed, coolant flow and depth of cut.
 - Starts and observes machine operation to detect malfunctions or out of tolerance machining, and adjusts machine controls or media as required.
 - Properly and safely loads and unloads raw materials in CNC Machinery.
 - Uses gauges and measuring instruments to meet tolerance requirements.
 - Understands, interprets, and edits G-code (programming language) programming.
 - Recognizes, deploys, and properly uses inserts, fixtures and tooling.
 - Understands and has the ability to perform tool wear offsets.
 - Performs daily and regular cleaning and light maintenance tasks on CNC machinery.
 - Utilizes and abides by the International Organization for Standardization (ISO) requirements and safety procedures.
 - Complies with all quality policies, specifications, regulations, and instructions.
 - Performs all tasks in a safe and responsible manner.
- Performs other duties as assigned.
- Regular attendance is essential to this position.

EDUCATION:

High school diploma or equivalent required.

KNOWLEDGE/SKILLS/EXPERIENCE:

- Three years minimum but prefer five years related experience and training or an equivalent combination of education and experience.
- CNC programming experience using SolidWorks/CamWorks or similar programming system to create CNC programs for both CNC lathes and mills.

- Strong knowledge of blue print reading, technical math and all Geometric Dimensioning and Tolerancing (GD&T) practices with the ability to analyze part requirements.
- Maintains safe operations by adhering to safety practices and regulations.
- Ability to operate manual mills and lathes to create fixtures and tooling.
- Ability to perform basic mathematical computations with the added ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations.
- Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables.
- Ability to define problems, collect data, establish facts, and draw valid conclusions.
- Effectively communicate and understand job instructions both verbal and written.

TOOLS AND EQUIPMENT:

Bench Grinder	Chop Saw	Cutting Torch
Drill Press	Fork Lift	Hammer
Hand Truck	Levels	Mallet
Metal Lathe	Micrometers	Overhead Crane
Paint Gun	Pallet Jack	Pneumatic Wrenches
Powered Hand Drills	Punch Press	Razor Knife
Reamer	Respirator	Sand Blaster
Sanders	Screwdriver	Sonic Welder
Tape Measure	Vernier Calipers	Vertical Mill
Wire Welders	Wrenches	

WORKING CONDITIONS:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job.

Indoor production environment involving some limited exposures to Acetylene and Nitrogen gases, varying quantities of gaseous carbon dioxide, paints, solvent fumes, and dust. The noise level in the work environment is usually moderate to high. Exposure levels are below standard limits. Respirator and hearing protection are not required but will be made available upon request with approval, proper fit testing, and training. Some exposure to glare generated from welding and cutting torch processes, cuts, and scrapes which require the wearing of personal protective equipment such as face shields, safety glasses, gloves, etc.

PHYSICAL REQUIREMENTS:

Physical requirements include speaking, hearing, pulling, pushing, reaching with hands and arms, measuring, cutting, stacking, grasping, twisting, squatting, bending, stooping, climbing stairs and ladders, and long periods of standing and walking. Specific vision abilities required by this job include close vision, distance vision, color vision, depth perception, reading and the ability to adjust focus.

The ability to move or transfer products with an overhead crane, fork lift, pallet jack, and/or hand truck and hand operation of various other equipment. Regular job duties include frequent unassisted lifting of 20-50 lbs. and occasionally up to 70 lbs. Lifting over 71 lbs. must be assisted.

