Pyrotek

CNC Machinist / Automation Technician I

Division:	Aurora	**Job Code:**	6071
Location:	Aurora	**Job Function**:	Manufacturing & Production
Department:	Machining	**FLSA Status**:	Nonexempt
Reports To:	Production Supervisor	**Effective Date**:	03/13/25

Job Summary

Set up and monitor the production of parts and finished products, and maintain the health of equipment in the automated cell by removing obstacles to optimize performance, conducting routine maintenance, and performing troubleshooting, as needed. Maintain high production efficiency and adherence to product quality standards while simultaneously overseeing automation cell(s) and handling additional machining cell assignments.

Qualifications

Education/Experience

High School Diploma or General Education Development (GED)/Test Assessing Secondary Completion (TASC) plus a minimum of three (3) years of experience as a CNC machinist; or equivalent combination of education and experience.

Successful completion of CNC Machining and CNC Programming certifications, preferred. Prior robotics experience, a plus.

Knowledge/Skills/Abilities

Technical Skills. Ability to read and interpret blueprints and technical drawings. Working knowledge of tools, equipment, and devices, and ability to use hoists, hand operated and power tools. Proficiency with performing tasks with precision and manual dexterity. Ability to apply general maintenance processes and methods. Ability to learn about and apply technical products to various industrial manufacturing processes. Ability to obtain and maintain forklift certification.

CNC Machining & Programming Skills. Understanding of machining theory including programming, tooling, offsets, editing, and geometric dimensions and tolerances (GD&T). Ability to set up and run CNC mills and lathes in an operational capacity. Ability to write, edit, update and program G/M-code. Ability to use and interpret values of calibrated instruments for production qualification. Ability to identify and implement improvements. Ability and learn and apply automation skills and techniques.

Mathematical Skills. Understanding of and ability to apply Algebra and Trigonometry. Basic math skills including addition, subtraction, multiplication, and division in all units of measure, using whole numbers, fractions and decimals, and to compute rate, ratio, and percent.

Training Skills. Ability and willingness to train others on skills and techniques, tailoring the approach to fit each individual's needs/learning style. Ability to provide performance feedback to encourage professional growth and assist in creating plans for operational improvement.

Core People Skills. Ability to positively interact and work collaboratively with a diverse group of people at all levels of the organization. Genuine with high ethical standards, values, personal integrity and honesty. Ability to apply a large measure of common sense to a variety of situations.

Communications Skills. Ability to speak clearly and persuasively in positive or negative situations, listen, obtain clarification, and respond well to questions one-on-one with other team members or in group settings. Ability to effectively resolve conflict in a positive manner. Assist supervisor with team member questions and/or requests related to automation cells. Working knowledge of Robotics and CNC Machining nomenclature.

Pyrotek

Computer/Application Skills. Basic computer skills and familiarity with Microsoft Office, including Word, Excel, and Teams. Ability to learn and utilize an Enterprise Resource Program (ERP) system. Ability to learn and utilize Cimco DNC software. Working knowledge of G-code, M-code and robot operations. Ability to operate bar code scanners.

Core Business Skills. Ability to exercise sound judgement and discretion in the handling of proprietary and confidential information. Ability to work independently, without significant direction, and to use resources effectively to "figure it out." Strong critical thinking skills, judgement and keen attention to detail and accuracy. Exceptional prioritization, time management, and organization skills. Ability to work under pressure and excel in a fast-paced, self-directed entrepreneurial environment.

Professional Investment. Demonstrated commitment to own personal professional development and learning.

Travel. Ability to travel up to 10% domestically by land and air. Ability to travel, as needed, for training purposes.

ESSENTIAL FUNCTIONS/RESPONSIBILITIES

1. Effectively and efficiently perform the administration, total productive maintenance, and qualification of all equipment in the automation cell.
2. Accurately troubleshoot any issues that might occur and communicate status and resolution expectations to management in a timely manner.
3. Successfully set up, touch up, and operate CNC equipment within acceptable standards and with minimal supervision.
4. Assume responsibility for performing the following functions:
    a) Simultaneously overseeing automation cell(s) and multitasking by handling additional machining cell assignments.
    b) Adhering to quality assurance procedures and processes.
    c) Correctly setting up and operating numerous machines within acceptable standards.
    d) Competently working from blueprints, drawings and production orders which may include diameters, radii and angles.
    e) Identifying and correcting issues using blueprints.
    f) Creating and editing programs, as needed, to produce high-quality parts within acceptable tolerances.
    g) Mathematically deciphering print dimensions using apparent information.
5. Determine the correct tooling for each job if not specified based on part, print, or program, identify and fix material and tooling failures, and perform minor touch-up sharpening of tooling.
6. Continuously monitor machine(s) during production to ensure part accuracy by performing first and final piece inspections on active work orders.
7. Adjust machine cutting/robotics paths or settings to optimize production while maintaining acceptable quality.
8. Maintain required documentation and paperwork in accordance with Pyrotek quality policies.
9. Gather required information on timesheets and routings including but not limited to accurate run-time, program number, cut sizes, etc., and provide to supervisor to update in ERP system.
10. Collaborate with Engineering, Quality and other machinists to ensure programs are accurate.
11. Maintain CNC program version information utilizing Cimco DNC (Direct Numerical Control) software.
12. Seek continuous improvement opportunities as inefficiencies are discovered during daily operations.

13. Thoroughly train back-up to maintain manufacturing capacity and consistency.
14. Promote positive team member and customer relations by supporting Pyrotek's commitment to a working environment of tolerance, acceptance and civility. Respond appropriately to inquiries, concerns and complaints by being professional, courteous and respectful at all times.
15. Maintain regular, consistent, reliable, punctual and predictable attendance, as required to achieve internal and external customer satisfaction.
16. Actively and positively participate in problem resolution, demonstrating constructive communication, timely response and effective resolution skills. Work effectively within team environments both within your department and across the organization.
17. Cooperate and comply fully with all Pyrotek policies and procedures. Actively support and follow the Pyrotek Safety Program.
18. Participate in company/department meetings, training activities, continuing education programs and other associated activities.
19. Consistently promote and communicate Pyrotek's core values through work performance and excellent customer service.
20. Perform other tasks as assigned.

PHYSICAL/SENSORY REQUIREMENTS

The following physical activities described here are representative of those required by a team member to perform the essential functions of this position. Reasonable accommodation, if feasible, will be made to enable individuals with disabilities to perform the functions of position.

Must be able to stand for long periods of time, bend, reach, walk, and use hands and fingers to handle or feel. Hard work surfaces for standing and walking. Ability to lift-up to 75 pounds occasionally and up to 25 pounds frequently. Must be able to communicate effectively in English by telephone, in person and in writing. Effectively use a personal computer. Specific vision abilities required by this job include close vision, color vision, peripheral vision, depth perception, and ability to adjust focus.

WORKING ENVIRONMENT

Generally, work in a manufacturing environment with frequent exposure to loud noise, moving mechanical parts, and fumes or airborne graphite dust. Personal Protective Equipment (PPE) including approved footwear, respirators, and safety glasses/goggles, required.

Team Member's Signature _____ Date _____