

Tucker Peters

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SUMMARY

Production Machine Operator with four years of hands on manufacturing experience across CNC machining, carbon processing, furnace operations, material movement, and quality verification. Sets up equipment, follows **manufacturing prints**, monitors process data, records production information, and makes authorized adjustments within established parameters. Uses calipers, **depth gauges**, micrometers, scales, and computerized **production software** for accurate inspections and traceable records. Troubleshoots routine equipment issues, performs limited **preventive maintenance**, stages materials, and supports receiving, packing, shipping, and production flow. Works independently during assigned operations and communicates clearly during team based improvement activities. Vocational maintenance training supports safe decisions around tools, equipment, housekeeping, heat, noise, chips, filings, and airborne shop residue.

EXPERIENCE

Machine Operator, Carbon Processing November 2024 - Present
Bluegrass Advanced Materials Lexington, Kentucky

- Supports carbon processing production through CNC setup, furnace operation, process monitoring, quality checks, material movement, and documented equipment care. Works across independent assignments and shared production priorities, helping maintain safe flow and reliable records.
- Set up CNC equipment and carbon machinery for **production orders** using documented processing parameters
 - Monitored furnace data and computerized logs, making authorized adjustments near process limits
 - Verified **dimensions**, depth, weight, and characteristics with calipers, gauges, **micrometers**, and scales
 - Diagnosed routine equipment issues through established troubleshooting paths and documented limited **preventive maintenance**
 - Coordinated order status and material movement using hoists, cranes, **tow motors**, and **pallet trucks**
 - Maintained clean work areas and accurate records while supporting receiving, packing, and shipping

Production Machine Operator October 2022 - October 2024
Kentucky Precision Components Frankfort, Kentucky

- Operated CNC and production equipment for precision components while translating manufacturing prints into repeatable setup steps. Built dependable habits across inspection, order tracking, material movement, equipment care, packing, receiving, and housekeeping in a demanding shop environment.
- Operated **CNC machines** by translating **manufacturing prints** and work instructions into repeatable setups
 - Performed in process inspections with micrometers, **calipers**, and **depth gauges** against quality criteria
 - Tracked work orders through shop floor software, keeping material identification and status current
 - Moved raw material and completed components with pallet trucks and approved lifting equipment
 - Resolved common operating interruptions by evaluating established corrective options and escalating unusual conditions
 - Supported equipment care, packing, **receiving**, and **housekeeping** amid chips, heat, noise, and residue

PROJECTS

Carbon Furnace Process Control 📅 2025
Supported furnace production routines through process data checks, authorized adjustments, documented readings, and quality verification. Shared clear status updates with production teammates during changing workloads.

Precision Material Flow 📅 2024
Improved daily coordination across machining, inspection, staging, receiving, packing, and shipping activities through accurate order tracking and safe equipment use.

LEADERSHIP & AWARDS

- Recognized for dependable production records and consistent adherence to documented setup requirements.
- Trusted with precision inspection, material movement, and routine troubleshooting during changing production demands.

EDUCATION

High School Diploma 2022
Bryan Station High School GPA: 3.0 Lexington, Kentucky
Coursework: Manufacturing prints, production safety, industrial equipment, quality inspection

CERTIFICATIONS

- Industrial Maintenance Fundamentals Certificate 2023
- OSHA 10 Hour General Industry 2022

TECHNICAL SKILLS

- CNC Equipment:** CNC machines, machine setup, production machining
- Carbon Manufacturing:** Carbon processing, carbon layup, vapor infiltration
- Furnace Operations:** Heat treat furnaces, furnace monitoring, thermal processing
- Precision Measurement:** Calipers, depth gauges, micrometers
- Material Handling:** Hoists, cranes, tow motors
- Transport Equipment:** Pallet trucks, material staging, safe lifting
- Production Records:** Computerized logs, production software, keyboard entry
- Quality Systems:** Quality assurance data, dimensional checks, weight checks
- Maintenance Practices:** Preventive maintenance, hand tools, equipment care
- Manufacturing Documentation:** Manufacturing prints, operating instructions, setup requirements
- Production Logistics:** Order tracking, receiving, packing
- Workplace Safety:** OSHA 10, housekeeping, safe work practices

SKILLS

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|------------------------------|------------------------|---------------------------|------------------------|
| CNC operation | Carbon layup equipment | Micrometers | Preventive maintenance |
| Carbon processing | Manufacturing prints | Quality assurance data | Production software |
| Heat treat furnaces | Calipers | Process monitoring | Order tracking |
| Vapor infiltration processes | Depth gauges | Equipment troubleshooting | |

PROFESSIONAL AFFILIATIONS

- Bluegrass Community and Technical College, Industrial Maintenance training community.
- Manufacturing production teams supporting safe quality, material flow, and continuous improvement.

LANGUAGES

- English (Native)
- Spanish (Beginner)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST