



Cohen Neal

Machinist II

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STRENGTHS

- 🔍 **Precision inspection**
A careful measurement at each checkpoint has prevented extra processing and protected customer part quality.
- ⚙️ **Setup judgment**
Tooling, offsets, fixtures, and workholding choices have made repeat jobs steadier and easier to release.
- 🔧 **Practical troubleshooting**
When chatter or drift appeared, tracing setup conditions first led to controlled corrections and cleaner production.
- ♥️ **Safety ownership**
Forklift, jib crane, PPE, and lifting practices were treated as part of quality, not separate tasks.
- 👥 **Team problem solving**
Sharing measurements and tooling observations during reviews helped peers resolve issues with clearer evidence.

SKILLS

- CNC machining Machine setup
- Blueprint reading Process sheets
- Tooling selection
- Fixture preparation
- Tolerance control
- Precision inspection
- Machining troubleshooting
- Micrometers Calipers
- Coordinate Measuring Machines

SUMMARY

Machinist II with five years of progressive machine shop experience across CNC and conventional equipment, producing and repairing close tolerance components in production environments. Skilled at translating blueprints, **work instructions**, **process sheets**, and specifications into safe, repeatable machining operations. Hands on work includes CNC mills, lathes, drills, grinders, horizontal and **vertical machining centers**, tooling, fixtures, offsets, and workholding. Precision inspection experience covers micrometers, calipers, gauges, bore gauges, and **Coordinate Measuring Machines**. Routine troubleshooting has addressed tool wear, dimensional drift, chatter, setup variation, and nonconforming conditions. Safety, quality, dependable documentation, and steady production guide daily decisions. Collaborative problem solving has supported cleaner setups, stronger first piece acceptance, and reliable handoffs across machining teams.

EXPERIENCE

Machinist II, Precision Components

Piedmont Precision Components 📅 July 2024 - Present 📍 Anderson, SC

Lead daily machining work for rotating equipment components, supporting CNC production, dimensional control, material movement, and safe delivery. Own setup readiness, tooling decisions, inspection records, and practical corrections that protect quality and production flow.

- Set up CNC **mills**, lathes, and **vertical machining centers** for rotating equipment components.
- Translated **blueprints** and process sheets into repeatable machining sequences for close tolerance parts.
- Selected cutting tools, offsets, fixtures, and workholding approaches before production runs.
- Verified finished features with **micrometers**, calipers, gauges, and **Coordinate Measuring Machines**.
- Corrected tool wear, dimensional drift, chatter, and routine setup problems during production.
- Moved stock and **fixtures** with trained forklift and jib crane practices under PPE requirements.

CNC Machinist, Rotating Equipment

Carolina Rotating Equipment 📅 January 2023 - June 2024 📍 Greer, SC

Machined repair and replacement components across CNC and conventional equipment, connecting drawing interpretation with inspection discipline and reliable production handoffs. Built stronger judgment through repeat work, troubleshooting, and clear escalation of dimensional concerns.

- Machined repair components on **horizontal machining centers**, CNC lathes, drills, and **grinders**.
- Read engineering drawings, **tolerances**, and **work instructions** before each machining operation.
- Prepared fixtures and **tooling** for repeat jobs, checking condition before setup release.
- Adjusted offsets after inspection identified developing dimensional variation during production runs.
- Performed first piece and final inspections with micrometers, **calipers**, and bore gauges.
- Escalated nonconforming conditions with clear dimensional evidence for engineering review.

Machinist I, Machine Repair

Upstate Machine & Repair 📅 October 2021 - December 2022 📍 Easley, SC

Supported manual machining and repair work while developing CNC setup skills through supervised changeovers, tool loading, workholding, and programmed operation checks. Established a dependable foundation in blueprint interpretation, measurement, material handling, and shop safety.

- Operated manual mills, **drills**, grinders, and lathes under shop travelers and **specifications**.
- Built CNC setup skills through supervised changeovers, tool loading, and workholding preparation.
- Measured machined features with micrometers and calipers at defined process checkpoints.

Forklift operation

Continuous improvement

Safety compliance

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



● Machinist II, Precision Components at Piedmont Precision Components (2.2 Years)

● CNC Machinist, Rotating Equipment at Carolina Rotating Equipment (1.4 Years)

● Machinist I, Machine Repair at Upstate Machine & Repair (1.2 Years)

- Interpreted blueprints for dimensions, surface requirements, and tolerances before removing material.
- Moved stock with trained forklift and overhead lifting equipment suited to component size.
- Documented measurements, setup conditions, and **tooling** observations during scrap reviews.

PROJECTS

Rotating Equipment First Piece Improvement 📅 2024

Improved first piece readiness by connecting setup checks, tooling review, dimensional inspection, and operator observations. Reliable parts begin with safe preparation and clear evidence, a value reflected in disciplined production work.

Manual Repair Machining Workflow 📅 2022

Supported repair workflow improvements through blueprint review, checkpoint measurement, material handling, and documented tooling observations. Practical work gained meaning when it protected customer components and helped teammates make sound decisions.

LEADERSHIP & AWARDS

- Recognized for dependable setup execution and consistent dimensional inspection across rotating equipment production.
- Selected by peers for practical troubleshooting support during tooling, setup, and quality problem solving.
- Earned positive shop recognition for safe material movement and disciplined equipment care.

EDUCATION

High School Diploma

T. L. Hanna High School 🎓 GPA: 4.0 📅 2021 📍 Anderson, SC

Coursework: *Blueprint reading, machining fundamentals, workplace safety, technical mathematics*

CERTIFICATIONS

- OSHA 10 Hour General Industry 📅 2022
- Forklift Operator Safety Training 📅 2022
- Overhead Crane and Rigging Safety Training 📅 2024

TECHNICAL SKILLS

- **CNC Equipment:** CNC mills, CNC lathes, horizontal machining centers
- **Conventional Equipment:** Manual mills, drills, grinders, lathes
- **Machining Processes:** Milling, drilling, grinding, turning
- **Blueprint Documentation:** Engineering drawings, work instructions, process sheets
- **Tooling Systems:** Cutting tools, tool offsets, fixtures
- **Workholding Methods:** Fixtures, workholding, setup verification
- **Inspection Tools:** Micrometers, calipers, bore gauges
- **Measurement Systems:** Coordinate Measuring Machines, gauges, dimensional inspection
- **Quality Control:** Tolerance control, first piece inspection, final inspection
- **Troubleshooting:** Tool wear, dimensional drift, chatter
- **Material Handling:** Forklifts, jib cranes, gantry cranes
- **Safety Practices:** PPE, overhead lifting, OSHA safety
- **Production Methods:** Repair machining, replacement components, repeat production
- **Process Improvement:** Team problem solving, continuous improvement, root cause reviews
- **Manufacturing Records:** Shop travelers, inspection records, measurement documentation

PROFESSIONAL AFFILIATIONS

- Participated in daily machining problem solving reviews with operators, leads, and quality partners.
- Collaborated with experienced machinists during supervised CNC development and repair part handoffs.

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST