

FRANCOIS J. FUISILIER

OBJECTIVE

Seeking a Lead Machinist position where I can leverage my extensive knowledge and experience in CNC machining to improve production efficiency. I aim to enhance cycle time, reduce downtime, and enforce safety standards, thereby delivering high-quality parts that ensure customer satisfaction and drive increased sales volume.

01/2022 - 05/2023 **Testing Supervisor** **Peoples Choice Electric** Houston, TX

In my supervisory role, I oversaw insulation resistance testing on a variety of electrical systems across residential and commercial properties. Key responsibilities included:

- **Project Coordination:** Organize and manage insulation resistance testing projects, ensuring availability of necessary equipment and readiness of work sites.
 - **Task Delegation:** Assign roles and responsibilities to team members based on their individual skills and abilities.
 - **Safety Management:** Uphold safety standards and regulations, conduct safety training, and address safety incidents promptly.
 - **Quality Assurance:** Supervise testing processes to guarantee accurate results and adherence to best practices.
 - **Troubleshooting:** Resolve operational issues promptly, ensuring minimal disruptions to project timeline.
 - **Communication:** Serve as liaison between testing team and stakeholders, providing regular updates and addressing queries.
 - **Documentation Oversight:** Oversee accurate and thorough documentation of testing processes and results.
 - **Training & Mentorship:** Train and mentor team members, facilitating skill development and proficiency in insulation resistance testing.
 - **Post-Testing Follow-Up:** Coordinate necessary follow-up actions, including scheduling repairs, providing recommendations, and ensuring site cleanup.
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04/2019 - 12/2021 **CNC Lathe Trainer** **Evangeline Machining** Houston, TX

In my role as a CNC Lathe Trainer, I provided comprehensive, in-depth training to Level 1-3 CNC Lathe Machinists, both in the classroom setting and through on-floor individual guidance. My

responsibilities and expertise encompassed:

- Delivering multifaceted instruction using diverse resources such as study guides, videos, visual aids, and live demonstrations.
- Coaching machinists on setting up a lathe for operation by reading and editing fixed/canned cycles like **G70** Finish, **G71** O.D. Turn, **G72** Face, and **G76** Thread.
- Training on identifying, locating, and properly installing tooling, fixtures, and inserts in accordance with the part program.
- Teaching selection of turn and bore machine chuck jaws.
- Instructing on how to set and measure the Z & X **geometry offset** coordinates for each tool.
- Demonstrating how to establish the **Z0.0 axis** work coordinates or **G54 & G55** according to the part program.
- Guiding in understanding and identifying Geometric Dimensions & Tolerancing symbols on blueprints.
- Providing hands-on training on using various precision instruments such as O.D & I.D. micrometers, MRP gauges, indicators, calipers, thread height gauges, taper gauges, lead gauges, and step picks for machining parts to a finished tolerance from .030 - .003.
- Cultivating machine efficiency and safety by teaching how to plan and develop Statistical Process Control (**SPC**) routines, maximizing machine cycle time and minimizing downtime.
- Providing understanding and insights on how to mitigate and eradicate machine chatter.

03/2018 - 04/2019

Special Process Lathe Machinist

GP&C

Houston, TX

As a Special Process Lathe Machinist, I was responsible for the precise turning, boring, grooving, and threading of steel and plastic prototype parts to stringent tolerances up to .0007, utilizing Fanuc-controlled horizontal and vertical CNC lathes. My duties demanded a high level of expertise and safety consciousness in:

- Setting up and operating Fanuc controlled horizontal and vertical lathes (VTL).
- Reading, editing, and rewriting G&M codes as well as feed and speed values within part programs.
- Deciphering machinist blueprints and understanding Geometric Dimensions & Tolerancing symbols.
- Using precision measuring tools, including O.D & I.D. micrometers,

MRP gauges, indicators, calipers, thread height gauges, taper gauges, lead gauges, and step picks to ensure accuracy in part production.

9/2016 - 1/2018 **CNC Lead Lathe Machinist** **APEX Machining** Houston, TX

In my role as a CNC Lead Lathe Machinist, I was responsible for machining A.P.I. steel Couplings, Casings, Top and Bottom Subs, and various other oil well parts to precision tolerances ranging from .050 - .010. This was achieved through the use of Fanuc-controlled horizontal CNC lathes. The role necessitated an acute understanding of safety protocols, technical prowess, and the capacity to:

- Set up tooling, fixtures, inserts, and unfinished machined parts, in addition to operating Fanuc-controlled horizontal lathes.
- Read, edit, and rewrite G&M codes, along with adjusting feed and speed values within part programs.
- Decipher machinist blueprints and understand Geometric Dimensions & Tolerancing symbols to ensure accurate production.
- Apply precision instruments such as O.D & I.D. micrometers, MRP gauges, indicators, calipers, thread height gauges, taper gauges, lead gauges, and step picks to guarantee adherence to stringent tolerances.

7/2012 - 8/2016 **CNC Machinist/Inspector** **Elwood Machining** Houston, TX

In my role as a CNC Lathe Machinist/Part Inspector, I was entrusted with the precise turning, boring, grooving, and threading of steel Blowout Preventers and other components used in deep-sea oil drilling, working to stringent tolerances between .010 - .002 using Fanuc-controlled vertical CNC lathes (VTL). Furthermore, I was responsible for the inspection of finished machined intake manifolds. My responsibilities demanded advanced technical proficiency and strict adherence to safety protocols, encompassing the following:

- Utilizing a ceiling crane system to safely move, load, and remove parts from machines.
- Setting up tooling, fixtures, inserts, and unfinished machined parts, as well as operating Fanuc controlled vertical tool lathes (VTL).
- Indicating large steel parts into the VTL machine for precision machining.
- Reading, editing, and rewriting G&M codes, alongside adjusting feed and speed values within part programs.
- Creating and measuring moldings to verify challenging O.D. and I.D. thread and groove dimensions and tolerances.
- Using a range of precision instruments such as O.D & I.D. micrometers, MRP gauges, indicators, calipers, thread height gauges, taper gauges, lead gauges,

and step picks for meticulous inspection of parts.

01/2009 – 5/2012 **CNC Lathe Trainer** **Lincoln Manufacturing** Magnolia, TX

As a CNC Lathe Trainer, I was committed to delivering both in-classroom and on-the-floor training for entry-level CNC lathe machinists. My approach leveraged a blend of video and other visual aids, coupled with live demonstrations, to ensure comprehensive understanding of operational procedures. My training program emphasized proper and safe techniques to:

- Recognize and demonstrate the direction of the X & Z Axis coordinates.
- Power on and off the lathe in a secure manner.
- Use the Emergency Stop Button and Release, ensuring quick response in potential crisis situations.
- Home the lathe to machine zero using G28 or X & Z home button.
- Navigate the Auto, Edit, MDI, Jog, and Handle mode with proficiency.
- Utilize Optional Stop (M01) in between cycles and tool changes to enhance precision.
- Identify and adjust Spindle direction (M03 CW or M04 CCW) as per requirement.
- Identify and control Coolant flow on and off using M08 & M09 commands.
- Orientate the spindle using M19 to change jaws of the chuck.
- Index the Turret using M06/ M86 or index button for efficient tool changes.
- Identify and change the tool insert to maintain optimal machining conditions.
- Make adjustments to the Wear Offsets in the offset/setting screen to ensure consistent quality.
- Use a range of precision tools like O.D & I.D. micrometers, MRP gauges, indicators, calipers, thread height gauges, taper gauges, lead gauges, and step picks to machine parts within the specified tolerance, according to the Geometric Dimension & Tolerance symbols.

02/2006 - 12/2008 **CNC Lathe Operator** **National Oil Well Varco** Houston, TX

In my initial role as an Entry-Level Lathe Machinist, I was tasked with the precise turning, boring, grooving, and threading of A.P.I. steel, including components such as Couplings, Casings, Top and Bottom Subs, and Tubing. I consistently adhered to safe practices and precise techniques, with duties including:

- Operating Fanuc & Mazak controlled horizontal lathes, demonstrating agility and accuracy in machine handling.
- Utilizing precision tools such as O.D & I.D. micrometers, MRP gauges, indicators, calipers, thread height gauges, taper gauges, lead gauges, and

step picks to ensure parts were machined within the specified tolerance as per Geometric Dimension & Tolerance symbols.

EDUCATION

8/2013 - 6/2015	Associates Degree, Government & Public Services	Houston Community College, Houston, Texas
1/2015 - 6/2015	CNC Lathe Certificate #423173 (Fanuc)	Master Task CNC Training, Rockford, IL
10/2013 - 02/2014	CNC Lathe Certificate #422761 (Mazak)	Master Task CNC Training, Rockford, IL

REFERENCES

References are made available upon request.