

Matthew Harris

Machinist

Englewood, CO 80113

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I am a dedicated CNC machinist with ample experience who is able to operate and maintain many different types of CNC machines with experience machining a wide range of materials. I'm comfortable with G-Code and fully capable of making modifications to programs. I will accomplish the task no matter the environment or situation always maintaining a good relationship with customers, co-workers and the public. I'm equally capable of working alone or as a member of a team and put much value on exercising initiative and solving problems. I am comfortable and have work experience using Imperial and metric systems of measurement and tooling.

Authorized to work in the US for any employer

Work Experience

CNC Machinist

AG Manufacturing & Sheet Metal - Englewood, CO

October 2019 to January 2021

I was a 1st shift CNC operator who did on the floor modifications to programs if needed and help with various other tasks around the shop as needed but mostly worked on Mori, Haas and Smec Vertical 3 axis and 4 axis horizontal mills. I have extensive setup experience and frequently had to modify programs on the floor. At AG we mostly machined metal but I have experience Machining quartz and ceramic and of course all of your standard metals. At AG I mostly worked by myself but I work well on teams for bigger projects or as needed. I ended up having to quit in January of last year because my grandfather in Texas fell and broke his hip and my family needed assistance very badly hence the gap in my employment last year. My responsibilities down there are complete and I'm eager to reenter the workforce and get back to Machining!

CNC Machinist

Yerico MFG - Elgin, TX

July 2017 to August 2019

- Helped set up and organize new Machining Department for Yerico. This included the unpacking and leveling three brand new machines and training new employees how to operate the machines. The three machines included Amada surface grinders, Smec turning centers and Smec vertical Mill.
- I worked closely with my supervisor and the engineers to ensure machines operated properly.
- Ordered new tooling, work tables, shelves and many other things needed to organize the new shop.
- I wrote SOP's using PowerPoint for the surface grinders and trained employees how to set up the grinder to grind metal, quartz, SIC and ceramic, how to dress various types of grinding wheels, how to maintain the machine, and how to take the machine apart to clean it thoroughly.
- Help setup CNC Vertical Mill and CNC turning Center and trained the same employees basic Machine operating and maintenance procedures for these machines as well.
- Worked in Class 10 and 100 clean rooms packing finished parts for shipment using vacuum sealers with nitrogen gas.

- Used lapping, polishing, and brushing machines to meet specified Ra for electrostatic plates.
- Used diamond sandpaper to sand and chamfer many of the parts we manufactured.
- Used HCL for chemical washes and AeroTron for soft cleaning.
- Sandblasted and bead blasted ceramic parts.
- Used CMM to measure parts.
- Used turning center and Vertical Mill to modify and make new parts with ceramic, silicon and quartz.
- Cleaned the parts with ultrasonic wash and used dry oven to remove moisture and contaminants before packing.

Landscaping Crew

Lawns By the Yard - New Braunfels, TX

May 2009 to June 2018

- Establish and enforce operating procedures and work standards that will ensure adequate performance and personnel safety.
- Inspect completed work to ensure conformance to specifications, standards, and contract requirements.
- Direct activities of workers who perform duties such as landscaping, cultivating lawns, or pruning trees and shrubs.
- Review contracts or work assignments to determine service, machine or workforce requirements for jobs.
- Answer inquiries from current or prospective customers regarding methods, materials, or price ranges.
- Prepare service estimates based on labor, material, and machine costs and maintain budgets for individual projects.

Machinist

BCNC - Pflugerville, TX

January 2017 to March 2018

- Align and secure holding fixtures, cutting tools, attachments, accessories, and or materials onto machines.
- Select the appropriate tools, machines, and materials to be used in preparation of machinery work. Calculate dimensions and tolerances using knowledge of mathematics and instruments such as micrometers and Vernier calipers.
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- Monitor the feed and speed of machines during the machining process.
- Machine parts to specifications, using machine tools such as: lathes, milling machines, shapers, or grinders.
- Set up, adjust, and operate all of the basic machine tools and many specialized or advanced variation tools to perform precision machining operations.
- Measure, examine or test completed units to check for defects and ensure conformance to specifications, using precision instruments; such as micrometers.
- Set controls to regulate machining, or enter commands to retrieve input or edit computerized machine control media, program design for specific specs articulated by customer needs.
- Position and fasten work pieces.
- Maintain industrial machines, applying knowledge of mechanics, shop mathematics, metal properties, layout and machining procedures.
- Observe and listen to operating machines or equipment to diagnose any machine malfunctions and to determine need for adjustments or repairs to manufacturing specs of company procedure.

- Properly lubricate and cool work pieces.
- Lay out, measure and mark metal stock to display and make accurate cutting measurements and designs.
- Operate equipment to verify operational efficiency.
- At the end of shift and whenever needed or by companies guidelines clean and lubricate machine, tools; and other equipment to remove grease, rust, stains and foreign matters.
- Confer with numerical control programmers to check and ensure that new programs or machinery will function properly and that output will meet specifications.
- Dispose of scrap or waste material in accordance with the company policies and environmental regulations.
- Separate scrap waste and related materials for reuse, recycling to prevent waste, or proper disposal.
- Confer with engineering, supervisor and or manufacturing personnel to exchange technical information as needed and prompted.

Machinist

Humanetics Precision Metal Works - Manor, TX

October 2015 to January 2016

- Align and secure holding fixtures, cutting tools, attachments, accessories, and or materials onto machines.
- Select the appropriate tools, machines, and materials to be used in preparation of machinery work. Calculate dimensions and tolerances using knowledge of mathematics and instruments such as micrometers and Vernier calipers.
- Monitor the feed and speed of machines during the machining process.
- Machine parts to specifications, using machine tools such as: lathes, milling machines, shapers, or grinders.
- Set up, adjust, and operate all of the basic machine tools and many specialized or advanced variation tools to perform precision machining operations.
- Measure, examine or test completed units to check for defects and ensure conformance to specifications, using precision instruments; such as micrometers.
- Set controls to regulate machining, or enter commands to retrieve input or edit computerized machine control media, program design for specific specs articulated by customer needs.
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- Observe and listen to operating machines or equipment to diagnose any machine malfunctions and to determine need for adjustments or repairs to manufacturing specs of company procedure.
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disposal.

● Confer with engineering, supervisor and or manufacturing personnel to exchange technical information as needed and prompted.

Education

Associates in HVAC

Austin Community College District - Austin, TX

August 2004 to June 2007

Skills

- Microsoft Word (10+ years)
- Microsoft Office (10+ years)
- Excel (10+ years)
- Email (10+ years)
- 60 WPM (10+ years)
- CNC
- Inspection
- Quality Control
- Manufacturing
- Maintenance
- Calipers
- Micrometer
- CNC Milling Machine
- Blueprint Reading
- Mechanical Knowledge
- Precision Measuring Instruments

Additional Information

QUALIFICATIONS

1. Mechanically inclined and minded
2. Strong analytical and problem-solving skills.
3. Supervisory experience.
4. Experience training new employees
5. Hazmat Training
6. Advanced manufacturing experience and knowledge
7. Ability to read and understand complex Blueprints
8. Forklift experience
9. Break press and Turret operating experience.
10. Familiarity with Mac and PC computers and ability to type 60wpm
11. Experience setting up new mills and lathes including balancing and setting parameters.

12. Experience with Amada rotary surface grinder.
13. Experience milling, turning, lapping, polishing and grinding materials such as silicone, quartz and ceramic.
14. Familiarity with diamond and resin tooling.
15. General knowledge of the manufacturing processes relating to the semiconductor industry.
16. Experience running Mazaki, Haas, Mori Seiki, Hyundai and Smec turning centers, horizontal and vertical cnc mills.
17. 2+ years experience using metric tools and prints. Ability to easily convert if necessary.

Accurate measuring ability with:

1. Micrometers F.E.
2. Micrometers F.E. Anvil , Blade, Disc and Spherical, Digital and Dial
3. I.D. and O.D. Calipers and Micrometers
4. Edge and Center finders
5. Digital And Dial Indicators
6. Height and Step gauges
7. Gauge Blocks and Pins
8. Depth Micrometers and gauges
9. Inside Micrometers
10. Radius Gauges
11. Telescoping Gauge Sets
12. Thickness Gauges- And Many other types
13. Part checking with CMM
14. Part checking with Micro Height
15. Part checking with Comparator.