

# Kurt Roth

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Windham, NH 03087 | 207.475.5836 | [kurtisro38@gmail.com](mailto:kurtisro38@gmail.com)

Skilled CNC lathe machinist with 25+ years of experience in the aerospace and submarine manufacturing industry. Expertise in programming, setup, and operation of CNC machines. Proven ability to produce high-quality parts while meeting tight deadlines.

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## PROFESSIONAL EXPERIENCE

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### **TurboCam**

06/2021 - Current

#### Machinist- II

- Extensive experience of executing machining activities in aerospace industry setting
- Sound knowledge of various types of metals, alloys, and composite materials
- Set up and operated CNC lathe machines to produce aerospace parts according to engineering drawings, blueprints, or other instructions.
- Maintained the equipment in a clean and safe operating condition and ensured that all safety procedures were always followed.
- Communicated with engineers regarding any problems encountered during production of parts and recommended solutions when possible.
- Performed routine maintenance on machinery as required by performing inspections, adjusting components, lubricating moving parts, etc., following manufacturer's specifications for proper operation.
- Followed standard work instructions for specific operations such as set-up, programming, tooling changes, part handling/positioning, loading/unloading materials into machine tools, inspection requirements per drawing tolerances and methods used to measure dimensions of manufactured products using gages or calipers depending upon the product being produced.

### **Teledyne DGO**

05/2017 - 06/2021

#### Machinist - II

- Set up and operated CNC lathe machines to produce submarine and underwater fiber optics according to engineering drawings, blueprints, or other instructions.
- Performed routine maintenance on CNC lathes as needed; replaced cutting tools when necessary
- Works from work orders, routings, drawings, layout sheets, and written and verbal instructions
- Calculates and sets controls to regulate machining factors such as speed, feed, coolant flow, depth and angle of cut
- Observes machine operation to detect malfunctions and adjusts machine controls as required

### **Hurley Precision Machining**

04/2015 - 03/2017

#### Precision and Set Up Machinist

- Prepare CNC machines for cutting by fitting attachments, adjusting fixtures, and placing templates.
- Consult with product designers to clarify areas of confusion in blueprints and instructions.
- Input program instructions into machines and begin cutting programs.
- Supervise machines during cutting sessions to ensure they are operating correctly.
- Engage in daily, weekly, and monthly maintenance tasks to keep machines operating smoothly and reduce the occurrence of time lost due to repairs.

### **Tru Form Industries**

03/2012 - 04/2015

#### Precision Machinist

- Planned and executed all jobs as per blueprints and technical documents.
- Positioned and fitted cutting tools, holding fixtures, and work pieces, properly.
- Set up, positioned, and operated various machining equipment, as assigned.
- Measured, marked, and machined all work pieces, as per specifications.
- Inspected and tested completed machined parts, to ensure lack of defects.
- Used precision measuring tools and ensured dimensional accuracy of parts.

### **Skills**

CNC Lathe, CNC Mill, Grinding, Flat Lapping, Mastercam, Problem Solving, R&D, Fixture Design, Metals, Bridgeports, Manual Lathe, People Skills, Time Management, Training

