

TECHNICAL SKILLS

- CNC mills/lathes
- Manual mills/lathes
- Hurco conversational
- Wire EDM
- MIG/TIG Welding
- ESPRIT 20XX
- ESPRIT EDGE
- SolidWorks
- Fusion 360
- Onshape
- HTML/CSS
- Python
- Electronics and PCB design
- Machine and fixture design
- Microsoft office suite

EDUCATION

Grand Rapids Community College

Precision Machinist Apprenticeship
| 2023–Present

Relevant coursework: GD&T, blueprint reading, SolidWorks, metallurgy, technical mathematics, and interpersonal communication

Central Michigan University — Mount Pleasant, MI

Undergraduate coursework in Meteorology and Computer Science | 2018–2019

Rockford High School — Rockford, MI

High School Diploma | 2018

CERTIFICATIONS

State of Michigan Precision Machinist Apprenticeship —

expected completion in 2027
All required classroom instruction completed;
approximately 1,000 on-the-job training hours remaining

Lean Six Sigma Yellow Belt Certification

Lean Solutions Academy | June 2023

GRANT COOPER

PRECISION MACHINIST

Toolroom • Prototype • CNC & Manual Machining

 (616) 560-3704

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 Newaygo, MI

 grantcooper.info

PROFILE

Precision machinist with progressive experience in production machining, toolroom operations, prototype development, fixture design, and engineering support. Skilled in CNC and manual machining, conversational programming, CAM software, welding, and complete part production from engineering drawing through final inspection. View projects and additional work at grantcooper.info.

WORK EXPERIENCE

FLEXCO | WALKER, MI | 2019–Present

Engineering Summer Help | May 2019–September 2019

Assisted engineering personnel with assembling and operating test rigs, conducting abrasion and Instron testing, and recording test data.

Unibar Machine Operator, Summer Help | September 2019–October 2019

Operated production equipment while learning standard safety, quality, and manufacturing procedures.

Unibar Machine Setup and Operator | October 2019–September 2022

Set up and operated multiple machines to manufacture customer components. Coordinated special orders with standard production and planned machine-changeover operations.

Entry-Level Toolroom Machinist | September 2022–April 2023

Manufactured special-order components from engineering drawings and assisted the complete production process, including material selection, ordering, sawing, programming, machining, welding, finishing, and final inspection. Prioritized urgent orders while maintaining accuracy and quality.

Toolroom Precision Machinist Apprentice | April 2023–Present

- Collaborate directly with engineering personnel to manufacture and modify prototype components.
- Machine one-off parts, replacement components, fixtures, and special-order products from engineering drawings and solid models.
- Plan machining operations from raw material through final inspection and finishing.
- Set up and operate CNC and manual mills, lathes, wire EDM equipment, saws, and grinders.
- Program CNC equipment using Hurco conversational controls and ESPRIT CAM software.
- Perform welding, fitting, assembly, troubleshooting, and production-support work as required.
- Machine urgent, prototype, and low-volume components to tolerances as tight as ± 0.00025 in.