

JAMES A. HOLCOMB

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QUALIFICATIONS

MACHINE OPERATION

- 10+ years in an aerospace or fast-paced, high precision manufacturing environment.
- Operate all CNC machines with little or no supervision.
- Read and write G-Code programs
- Utilize Haas and Fanuc controls
- Operate Haas and Mori Seiki mills and lathes
- Mechanical aptitude, strong attention to detail, and continuously improve machining knowledge, processes, and results.
- Manage projects independently and complete assigned projects in up to a quarter of the time of other employees.

SETUP

- Read and interpret blueprints, sketches, drawings, specifications, or sample parts to determine dimensions and tolerances of finished work piece, sequences of operations, and setup requirements.
- Implement tool and parameter selection as per the material.
- Manufacture new tooling and fixturing and document new setups.
- Ensure parts are adequately secured in the machine for safety and to ensure parts are not damaged
- Set up and operate a variety of conventional and special-purpose machines to repair and manufacture metallic and nonmetallic precision parts, applying the knowledge of mechanics, shop mathematics, metal properties, layout, and machining procedures.
- Perform simple to complex setups on 3-, 4-, and 5-axis mills, quickly and efficiently.
- Perform setups on other various machining equipment, including manual mills, manual lathes, and CNC lathes.

PROGRAMMING

- Program 3- and 4-axis mill machines using Mastercam and G&M code and proof out new parts.
- Modify existing Mastercam programs to improve efficiency and extend tool life.
- Help with prototyping.
- Initiate machining tip sheets.
- Provide feedback to Programmers to optimize efficiency.

PROCESS IMPROVEMENT & PROFESSIONAL JUDGEMENT

- Develop step-by-step procedures to enable colleagues to become more efficient in their production.
- Possess a natural ability to envision taking raw material through each phase of development: from blueprint to Computer-Aided Design (CAD) drawing to Computer-Aided Manufacturing (CAM) software to tooling design to actual manufacturing.
- Decrease manufacturing time by up to 400% by streamlining the number and types of tools used, tool path selection, and tool parameters.
- Foresee how material will react to certain tools and cuts and make necessary modifications for successful production.
- Identify and remedy modeling errors before parts go into production.
- Authorized to manually override programs to improve efficiency.
- Understand, accept, and support the need for business change; adapt to change within own area of responsibility; and help others with transitions.

PRECISION MEASURING

- Read, interpret, and understand complex blueprints with proficient GD&T knowledge.
- Use all types of precision measuring tools and hand tools daily to check dimensions of parts with tolerances ranging from .0001" to 265 inches.
- QC all parts after first runs.

COMMUNICATION & COLLABORATION

- Collaborate with colleagues to design, prototype, and manufacture new and existing aircraft parts, and solve complex issues.
- Communicate professionally and work cooperatively with team members to achieve company goals.
- Assist in training less senior machinists.
- Work in a conscientious, consistent, and thorough manner to meet or exceed schedules and timelines.
- Anticipate potential problems; find the root causes of problems; and take appropriate action.

SAFETY & REGULATIONS

- Read, follow, and/or maintain familiarity with company policies, procedures, production and engineering documents, and standard shop practices.
- Identify hazardous or potentially hazardous situations and takes appropriate action to maintain a safe and productive work environment for self and others.
- Comply with company policy and procedures to maintain safety and quality.

COMPUTER SKILLS

- Proficient in Mastercam 2018-2020
- Beginner in Solid Works
- Basic skills in Microsoft Word and Excel

WORK HISTORY

Programmer / Project Lead	Precision Aircraft Solutions	Beaverton, OR	July 2020-Current
Machinist III / Programmer	Erickson Incorporated	Central Point, OR	Oct 2014 – July 2020
Machinist	MOA Precision LLC	Grants Pass, OR	Jun 2014 - Sep 2014
Machinist, Supervisor & Cell Lead	Pacific Tool and Gauge	White City, OR	Feb 2010 - Jun 2014
Machinist	ICW USA.com, Inc.	Medford, OR	Aug 2008 - Nov 2009

EDUCATION

Rogue Community College:	Manufacturing/Engineering Technology: CNC Technician Certificate Mastercam Mill 2D and 3D Training Program (+1 year on the job training)
Erickson Incorporated:	Blueprint Reading Certified GD&T Certified Forklift Certification
Carlmont High School:	High School Diploma