JULIAN MERCER

CNC MACHINIST

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PROFESSIONAL SUMMARY

CNC Machinist with 7+ years programming, setting up, and running mills and lathes for aerospace and aircraft parts. Holds tight tolerances, inspects with precision tools, and improves cycle time without sacrificing quality.

PROFESSIONAL EXPERIENCE

CNC Machinist Mar 2022 - Present
Precision Castparts, Portland, OR

- Set up and run 5-axis mills on titanium and nickel parts while holding tolerances of plus or minus 0.0005 inch on critical features.
- Write and prove programs in Mastercam, cutting cycle time on a bracket family by 14% with revised toolpaths and tool changes.
- Inspect parts with micrometers, bore gauges, and a CMM and keep scrap under 1% on repeat jobs across the cell.
- Select cutting tools and speeds for difficult alloys, extending insert life by about a quarter and reducing tool change stops.
- Document setups with photos and tool lists so second shift can start jobs without long handoffs or repeated questions.
- Mentor two junior operators on offsets, probing, and first-article inspection, and both now run jobs without a lead nearby.
- Join weekly quality meetings to review nonconformances and propose fixture changes that prevent repeat defects on later lots.

CNC Operator and Machinist Jun 2019 - Feb 2022
Textron Aviation, Wichita, KS

- Ran three-axis mills and lathes producing aluminum aircraft components to blueprint and met delivery dates on 97% of lots.
- Moved from operator to machinist in the first year after passing setup and inspection assessments given by the lead.
- Edited G-code at the control to fix feed and speed problems, which saved about two hours of programmer time each week.
- Built simple fixtures and soft jaws that reduced setup time on a recurring job from 90 minutes to 55 minutes.
- Performed first-article and in-process inspections and recorded the results for traceability on every released lot.
- Followed housekeeping and safety standards, and the cell completed a full year with no lost-time injuries or incidents.
- Cross-trained on the horizontal mill and covered absences, which kept machines running during two staffing shortages.

CORE SKILLS

CNC programming | Mastercam | G-code | Precision measurement | 5-axis machining | CNC lathe | Blueprint reading | GD&T | CMM inspection | Fixture design | Tool selection | First-article inspection | Titanium and aluminum machining | Setup reduction

EDUCATION

Certificate in Precision Machining Technology, Wichita State University Campus of Applied Sciences and Technology, Wichita, KS

CERTIFICATIONS

NIMS Machining Level I Credential | OSHA 10-Hour General Industry