

Emily Novak

METROLOGY TECHNICIAN

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SUMMARY

Metrology technician with 4 years in aerospace machining, measuring precision parts on CMM, laser tracker and surface plate setups. Reads engineering drawings and GD&T, uses height gauges, micrometers and calipers to tenths, manages calibration for 900 gauges, and applies Microsoft Excel and problem-solving skills to settle measurement disputes.

SKILLS

Other Skills: Metrology, CMM, GD&T, Engineering Drawings, Height Gauges, Micrometers, Calipers, Calibration, Microsoft Excel, Problem-Solving Skills

EXPERIENCE

Metrology Technician

03/2024 - Present

Catalina Aerospace Components

Tucson, AZ

Metrology lab technician at a 350-employee maker of missile and satellite structures.

- Measure flight hardware on 3 CMMs and a laser tracker, reporting GD&T results for 40 part numbers a month.
- Manage calibration recall for 900 gauges and instruments, with zero overdue items through 2025.
- Ran a gauge R&R study on 14 critical measurements and replaced 3 gauges that failed acceptance.
- Resolve measurement disputes between machining and inspection by repeating setups with height gauges on the surface plate.

Quality Inspector

06/2022 - 02/2024

Old Pueblo Machine Works

Tucson, AZ

Inspector at a job shop machining aluminum and titanium parts.

- Inspected 200 parts a week with micrometers, calipers and bore gauges against engineering drawings.
- Completed about 10 first article reports a month for new jobs and engineering changes.
- Recorded measurement data in Microsoft Excel and flagged drifting features to machinists the same shift.
- Checked 150 shop hand tools a quarter against gauge blocks and tagged any out of calibration.

EDUCATION

Associate of Applied Science

05/2022

Pima Community College

Tucson, AZ

Machine Tool Technology

CERTIFICATES

Certified Quality Technician (CQT)

11/2025

ASQ