Anna Roberts

Senior Quality Engineer

Certified Quality Engineer (ASQ) with 12 years of experience in aerospace and precision manufacturing, holding a BSE in Industrial Engineering. Reduced cost of poor quality by $141,730 annually by redesigning the MRB disposition workflow and tightening in-process hold points on 5 machining cells. Authored 22 procedures and 9 work instructions for AS9100-aligned quality management systems while mentoring junior engineers on CAPA investigation methods.

Contact Information

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Safford, AZ 12345

Education

BSE in Industrial Engineering
Arizona State University, Tempe, AZ
2010 – 2014

Key Skills

- CAPA Management
- ISO 9001 / AS9100 QMS
- Root Cause Analysis (8D, 5-Why)
- Minitab
- SAP
- SPC Charting
- GD&T Interpretation
- APQP
- Power BI
- CMM Dimensional Inspection
- Visio

Professional Experience

SENIOR QUALITY ENGINEER | VERDE BASIN AEROSPACE COMPONENTS LLC, SAFFORD, AZ
2020 – PRESENT

- Verified CAPA effectiveness on 34 actions in 2025 by conducting follow-up audits at 30, 60, and 90 days post-implementation, confirming root cause elimination for each finding.
- Reduced cost of poor quality by $141,730 annually by redesigning the MRB disposition workflow and tightening in-process hold points on 5 machining cells.
- Designed quality management system architecture for a new product line, authoring 22 procedures and 9 work instructions aligned with AS9100 requirements.
- Conferred with vendors and production management on material specifications for 3 purchased assemblies, negotiating revised acceptance criteria that cut incoming-part rejects from 58 to 21 per quarter.
- Mentored 3 junior quality engineers on CAPA investigation methods, reviewing their root cause analyses and verification plans on a weekly cadence.

QUALITY ENGINEER | PINALENO RIDGE MANUFACTURING GROUP, THATCHER, AZ
2016 – 2020

- Checked 19 corrective actions per year against SPC trend data in Minitab, confirming that recurrence held at zero for 6 consecutive months.
- Lowered cost of poor quality from $214,800 to $116,350 over 2 years by identifying scrap drivers through Pareto analysis and revising tooling maintenance intervals.
- Coordinated quality control objectives across 3 production shifts, scheduling 16 internal audits annually and tracking each finding to closure within an average of 11 days.
- Drafted floor-plan layouts for 2 inspection stations using Visio, repositioning CMM equipment to reduce part-handling travel by 37 feet per cycle.

QUALITY ENGINEER I | GILA BEND PRECISION WORKS INC., GLOBE, AZ
2014 – 2016

- Confirmed zero repeat failures over 120 days on 11 supplier-related corrective actions by auditing incoming inspection data.
- Reduced cost of poor quality by $49,270 in one fiscal year by analyzing rework labor hours per work order in SAP, then revising sequence-of-operations documents for 6 high-rework part numbers.
- Conferred with clients and engineering staff on 8 product specification changes per quarter, updating inspection plans and GD&T callouts on engineering drawings within 48 hours.

Certifications

- Certified Quality Engineer, ASQ, 2019