

Diane Kowalski

Senior Quality Engineer

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SUMMARY

Senior quality engineer with 9 years in aerospace machining and assembly under AS9100 and ISO 9001. Owns the CAPA system for a 600-person plant, applies Six Sigma and statistical analysis to scrap and escape problems, and mentors quality engineers on root cause analysis and FMEA.

SKILLS

AS9100 • ISO 9001 • Root Cause Analysis • CAPA • FMEA • SPC • Statistical Analysis • Minitab • Six Sigma
First Article Inspection

EXPERIENCE

Senior Quality Engineer

01/2022 - Present

Prairie Aerostructures

Wichita, KS

Builder of wing and fuselage assemblies for commercial and business jet programs.

- Own the CAPA system for a 600-person plant, cutting average CAPA closure time from 95 to **45** days.
- Lead root cause analysis on 30 customer escapes a year, with repeat escapes down 60% since 2022.
- Apply statistical analysis in Minitab to drilling and fastener data, saving \$420K a year in wing assembly rework.
- Mentor 4 quality engineers on FMEA and 8D methods and chair the weekly material review board.

Quality Engineer

06/2017 - 12/2021

Arkansas River Precision

Wichita, KS

CNC machine shop producing brackets, fittings and housings for aerospace prime contractors.

- Approved **250** first article inspection reports to AS9102 for machined brackets and fittings.
- Built SPC charts in Excel and Minitab for 5 CNC cells, raising first-pass yield from 88% to 95%.
- Prepared the shop for 3 AS9100 surveillance audits, each closed with no major findings.
- Completed a Six Sigma project on anodize rework that saved \$90K in the first year.

EDUCATION

Bachelor of Science

05/2017

Wichita State University

Wichita, KS

Industrial Engineering

CERTIFICATES

Certified Quality Engineer (CQE)

ASQ

2019

Six Sigma Black Belt (CSSBB)

ASQ

2021