

SUMMARY

Manufacturing quality engineer with 5 years on high-volume appliance and metal fabrication lines. Builds PFMEAs and control plans with production, runs SPC and statistical analysis on line data, and leads 8D root cause analysis that raised first-pass yield on the main compressor line to 97%.

SKILLS

- Root Cause Analysis
 - SPC
 - Control Plans
 - PFMEA
- APQP
 - 8D
 - ISO 9001
 - Six Sigma
- Statistical Analysis
 - Excel

EXPERIENCE

Manufacturing Quality Engineer

Bluegrass Appliance Components

02/2023 – Present

Louisville, KY

Producer of compressors and sealed systems for refrigerators and freezers.

- Raise first-pass yield on 2 compressor lines building 4,000 units a day from 92% to **97%**.
- Write the PFMEA and control plans for 30 operations, holding APQP reviews before each model change.
- Lead 8D root cause analysis on 25 line and field issues a year, keeping repeat issues under 5%.
- Run SPC and statistical analysis on torque and leak test data from 18 stations in Excel and Minitab.

Process Engineer

Ohio Valley Metal Works

06/2021 – 01/2023

Jeffersonville, IN

Sheet metal fabricator of cabinets and enclosures for industrial customers.

- Cut weld rework from 7% to **3%** through a Six Sigma Green Belt project on fixture clamping.
- Maintained ISO 9001 records for 6 work cells and closed 15 internal audit findings.
- Set up 4 new laser cutting programs with first-piece checks, reducing setup scrap by 40%.
- Trained 25 operators on visual weld standards and defect tagging during a second-shift startup.

EDUCATION

Bachelor of Science

University of Louisville

Industrial Engineering

05/2021

Louisville, KY

CERTIFICATES

Six Sigma Green Belt (CSSGB)

ASQ

2022