# Kelsey Dunmore

## Continuous Improvement Engineer

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## SUMMARY

Continuous improvement engineer with 4 years in automotive and packaging plants. Runs Kaizen events, SMED changeover projects and root cause analysis with production teams, and holds a Six Sigma Green Belt. Uses Excel and Minitab for data analysis and AutoCAD for cell layouts.

## EDUCATION

**Bachelor of Science** 05/2022

Clemson University Clemson, SC

Mechanical Engineering

## EXPERIENCE

**Continuous Improvement Engineer** 07/2024 - Present

Upstate Drive Components Greenville, SC

*Tier 1 automotive supplier with 850 employees.*

- Facilitate 12 Kaizen events a year, saving **$740K** in labor and scrap in 2025.
- Cut changeover time on 5 CNC cells from 70 to 28 minutes with SMED studies.
- Lead root cause analysis on top customer complaints, closing 22 corrective actions on time.
- Design new cell layouts in AutoCAD that freed 6,000 sq ft for a new product line.

**Process Engineer** 06/2022 - 06/2024

Palmetto Flexible Packaging Spartanburg, SC

*Packaging plant with 400 employees running 3 shifts.*

- Mapped the value stream for the pouch line and removed 2 handoffs, raising output by **15%**.
- Rolled out 5S in the slitting area and sustained audit scores above 90% for 12 months.
- Built an Excel data analysis of downtime by cause, guiding fixes that recovered 300 hours a year.
- Documented standard work for 18 machine setups and trained 35 operators across 3 shifts.

**Manufacturing Engineering Co-op** 01/2021 - 08/2021

Carolina Gear Works Greer, SC

*Co-op term at a 300-employee gear and drivetrain plant.*

- Timed 40 assembly steps and balanced a line to a new takt of **52** seconds.
- Drew 15 fixture and layout drawings in AutoCAD for the tooling team.
- Logged 6 weeks of downtime data and presented the top 3 causes to plant leaders.

## SKILLS

**Kaizen • Six Sigma • Value Stream Mapping • Root Cause Analysis • 5S • SMED Standard Work • AutoCAD • Data Analysis • Excel**

## CERTIFICATES

**Certified Six Sigma Green Belt (CSSGB)**

ASQ

05/2023