CW

Cynthia Wright

Manufacturing Engineer II

CONTACT INFORMATION

(660) 555-0111

kristen.yilmaz@example.com

Warrensburg, MO 12345

EDUCATION

- BS in Mechanical Engineering Technology
  Missouri State University
  Springfield, MO | 2016 – 2020

KEY SKILLS

- SolidWorks
- Minitab
- GD&T
- FMEA
- CNC machining centers
- ISO 9001
- DOE
- Lean manufacturing
- Fixture design
- Process capability analysis

ABOUT ME

Manufacturing engineer with 6 years of experience in prototyping, process capability analysis, and line optimization across metal stamping, casting, and injection molding environments. Increased assembly line throughput by 24.6% by redesigning workstation layouts and rebalancing takt times. Holds a Certified Six Sigma Green Belt and uses SolidWorks, Minitab, and FMEA to drive continuous improvement.

PROFESSIONAL EXPERIENCE

Manufacturing Engineer II | Osage Prairie Metal Products Inc., Warrensburg, MO
2023 – Present

- Increased assembly line throughput by 24.6% by redesigning workstation layouts and rebalancing takt times across 8 operator stations.
- Built 47 prototypes for a new stamped-bracket product family, validating form and fit within 3 weeks per design iteration.
- Raised the Cpk on a high-volume press operation from 1.08 to 1.72 by adjusting die clearances and feed rates using Minitab.
- Estimated production costs for 6 proposed design changes per quarter, presenting savings projections that guided $114,350 in annual labor reductions.

Manufacturing Engineer I | Blackwater Ridge Castings Group, Knob Noster, MO
2021 – 2023

- Prepared first-article inspection reports for 29 cast aluminum housing prototypes, releasing each report within 11 days of drawing release.
- Recalibrated tooling offsets and updated SolidWorks fixture models on a CNC bore operation, cutting bore-diameter rejects from 17 to 4 per month.
- Developed labor utilization standards for a 14-operator cell, cutting idle time by 42 minutes per shift and increasing throughput by 19.61%.
- Evaluated coordinate measuring machine accuracy against GD&T callouts, correcting 13 out-of-tolerance conditions in one quarter.

Associate Manufacturing Engineer | Clear Creek Plastics Co., Lee's Summit, MO
2020 – 2021

- Built 11 injection-molded prototypes for consumer-product housings, each approved within 2 design review cycles.
- Conducted FMEA reviews on 9 molding processes, identifying root causes of wall-thickness defects and updating the control plans.
- Analyzed production output data for 2 molding cells and recommended conveyor repositioning that shortened part travel between stations, confirmed in a 30-day trial.

CERTIFICATIONS

- Certified Six Sigma Green Belt, American Society for Quality, 2023