Nancy White

Senior Manufacturing Engineer

Certified Manufacturing Engineer with 12 years of experience spanning CNC machining, sheet metal stamping, and process qualification across defense and medical device sectors. Reduced scrap rate from 6.31% to 1.91% on a 5-axis CNC milling cell by revising toolpath strategies and conducting FMEA root-cause analysis. Qualified 17 new part numbers across three facilities and managed capital projects up to $2.64M, working within ISO 9001, ISO 13485, and ITAR requirements.

CONTACT INFORMATION

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Fallon, NV 12345

EDUCATION

2010 – 2014 | BS in Mechanical Engineering

University of Nevada, Reno, Reno, NV

KEY SKILLS

- SolidWorks
- AutoCAD
- Minitab
- FMEA
- GD&T
- ISO 9001
- CNC Machining Setup
- Capital Project Management
- CAPA
- Process Qualification
- DOE

PROFESSIONAL EXPERIENCE

Senior Manufacturing Engineer | Lahontan Valley Precision Inc., Fallon, NV | 2020 – Present

- Reduced scrap rate from 6.31% to 1.91% on a 5-axis CNC milling cell by revising toolpath strategies and tightening material-hold tolerances through FMEA root-cause analysis.
- Managed a $2.64M capital project to install 3 CNC turning centers, completing commissioning 11 days ahead of schedule and under budget by $43,190.
- Qualified 7 new part numbers for defense-sector assemblies within ISO 9001 and ITAR requirements, averaging 22 days from first article to production release.
- Conferred with vendors and production staff to draft AutoCAD floor layouts for a reconfigured fabrication area, increasing material staging capacity by 34 pallet positions.
- Coordinated quality control objectives across 4 work cells, writing 13 inspection procedures that maintained GD&T compliance through 2 external ISO audits.

Manufacturing Engineer | Silver Springs Fabrication Group, Silver Springs, NV | 2016 – 2020

- Qualified 6 new part numbers for medical device housings under ISO 13485, completing validation runs in an average of 18 days per part.
- Managed a $1.54M capital project to upgrade sheet metal stamping equipment, delivering the installation 9 days early and within the approved budget.
- Lowered scrap rate on a progressive-die stamping line from 4.72% to 2.39% by adjusting strip feed pitch and replacing worn guide pins identified through Minitab control charting.
- Drafted SolidWorks workspace models for 2 assembly cells, reducing operator reach distances and freeing 127 square feet of floor space for in-process inventory.

Associate Manufacturing Engineer | Carson River Metal Works LLC, Dayton, NV | 2014 – 2016

- Qualified 4 new part numbers for aluminum bracket assemblies, preparing FMEA documentation and first-article reports within 26 days per release.
- Tracked scrap causes by shift on a punch press operation for 8 weeks and recommended die maintenance intervals.
- Assisted with capital project planning for a $384,700 deburring system, gathering vendor quotes and preparing cost-justification reports for

management approval.

CERTIFICATIONS

- Certified Manufacturing Engineer, Society of Manufacturing Engineers, 2018