



CHARLES MARTINEZ

Manufacturing Engineer

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Saint Louis, MO 

PROFESSIONAL SUMMARY

Results-oriented Manufacturing Engineer with 15+ years of experience in optimizing production processes and reducing costs. Expertise in leading cross-functional teams, implementing Lean Manufacturing principles, and improving manufacturing efficiency. Proven track record of designing and implementing process improvements that enhance productivity and quality while reducing waste.

EDUCATION

2007 - 2011

Bachelor of Science in Mechanical Engineering

University of Missouri / Saint Louis, MO

SKILLS

- Lean Manufacturing **Expert**
- Six Sigma **Expert**
- CAD/CAM Design **Expert**
- Process Improvement **Expert**
- Quality Control **Expert**
- Project Management **Expert**
- CNC Programming **Expert**

COURSES

2024

Certified Six Sigma Green Belt

2022

OSHA 30-Hour General Industry Certification

EXPERIENCE

2012 - Now

Manufacturing Engineer

Techtronics Manufacturing / Saint Louis, MO

- Lead cross-functional teams to improve manufacturing processes, resulting in a 15% increase in production efficiency.
- Implement Lean Manufacturing principles, reducing waste by 20% and saving 0,000 annually.
- Design and oversee the installation of new manufacturing equipment, ensuring compliance with safety standards and increasing capacity by 30%.
- Conduct root cause analysis and implemented corrective actions to resolve quality issues, resulting in a 25% reduction in defects.

2009 - 2012

Assistant Manufacturing Engineer

Precision Dynamics / Saint Louis, MO

- Assisted in the development and implementation of new manufacturing processes for a high-volume production line.
- Conducted time studies and line balancing to optimize production flow and reduce cycle times by 10%.
- Supported continuous improvement initiatives, resulting in cost savings of over ,000 annually.
- Prepared and maintained manufacturing documentation, including work instructions and standard operating procedures.

PROFESSIONAL AFFILIATIONS

2018 - Now

Society of Manufacturing Engineers (SME) Member