Thomas Gallagher

Manufacturing Engineering Manager

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SKILLS

Lean Manufacturing

Six Sigma

Project Management

Capital Planning **PFMEA**

Root Cause Analysis

SolidWorks **GD&T**

Leadership

Communication Skills

EDUCATION

Bachelor of Science

05/2013

Milwaukee School of Engineering

Milwaukee, WI

Mechanical Engineering

CERTIFICATES

Certified Six Sigma Black Belt (CSSBB)

ASQ

05/2019

SUMMARY

Manufacturing engineering manager with 13 years in industrial equipment production, leading 11 engineers and technicians across machining, welding and assembly. Owns capital planning for a $6M yearly budget, new product launches and lean manufacturing results for a 600-person plant. Six Sigma Black Belt who has cut cost per unit 12% in 3 years.

EXPERIENCE

Manufacturing Engineering Manager 01/2022 - Present

Cream City Industrial Equipment Milwaukee, WI

Maker of industrial pumps and compressors with 600 employees.

- Lead **11** manufacturing engineers and technicians supporting machining, welding and assembly on 2 shifts.
- Run the $6M yearly capital plan with project management reviews, delivering 15 projects on budget since 2022.
- Launch 8 new product lines with PFMEA, control plans and work instructions in place before the first build.
- Drive lean manufacturing and Six Sigma programs that cut unit cost 12% and lead time from 6 weeks to 4.

Senior Manufacturing Engineer 03/2017 - 12/2021

Lakeshore Gear Works Waukesha, WI

Gearbox manufacturer with 400 employees.

- Led root cause analysis on field failures with design engineering, cutting warranty claims 35%.
- Specified 5 CNC machining centers worth $3.2M and moved 40 part numbers onto them.
- Designed assembly tooling in SolidWorks that cut gearbox build time from 5.5 to 4 hours.
- Coached 4 engineers on GD&T, process documentation and capital justification.

Manufacturing Engineer 06/2013 - 02/2017

Lakeshore Gear Works Waukesha, WI

Machining and heat treat operations.

- Wrote CNC process plans and setup sheets for 120 part numbers.
- Reduced heat treat distortion scrap from 5% to 2% through fixture and load changes.
- Ran 10 kaizen events on setup reduction, cutting average changeover time 45%.