

Isaac Pillsbury

Technical Engineering Manager

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Inkster, MI

WORK EXPERIENCE

Premier International Technical Engineering Manager

Wixom, MI | February 2023 - current

- Lead a team of 4 through all new product launches from request for quote to completed product launch. Including cost estimates, product quote, program launch, APQP, engineering part setup, production trial run, and completed launch.
- Played an active role in the recruitment process, developing and training a cost estimating and engineering team.
- Created and implemented a costing process to allow for 3-day turnaround after request for quote, an improvement of 2 days per request.
- Developed and designed 3D model fixtures for new product launches.
- During my time, I was promoted from Machine Operator to Cost Estimator, to Program Manager, to Technical Engineering Manager in the span of 3 years.
- Created a process to flatten 3D in-car-position files and convert to 2D shapes, resulting in cost savings and lead time reduction for request for quotes.

Premier International

Program Manager, Cost Estimator, Lead Manufacturing Engineer

Wixom, MI | March 2020 – February 2023

- Created improved tool nesting layouts, resulting in over \$103,000 in raw material cost savings for the Ford CIYB Program.
- Optimized tooling to die cut and seal the perimeter of 7 layers of material simultaneously, as opposed to the originally quoted 3 layers. Resulting in machine efficiency improvement of over 133%.
- Created processes and set sheets to improve tooling accuracy, timing, and cost, resulting in an average cost savings of \$230 per tool.
- Implemented over \$650,000 / year in cost savings via process tool optimizations and Lean Manufacturing Process Improvements.
- Developed process to produce attribute gages in-house, resulting in cost savings and lead time improvements of 2-3 weeks per gage.
- Created for to predict optimal nesting strategy for sheet-form product, as well as calculators to accurately predict usage rates for new product.
- Developed an accurate estimator to predict packaging quantities and box sizes for various products.

SGI Heating and Cooling

Outside Sales Representative

Fenton, MI | June 2018 – March 2020

- Performed case-by-case analysis of home equipment and provided recommendations of new HVAC equipment and full-home generators.
- Sold over \$160,000 of HVAC and generators during my 1 year 8-month employment period.
- Maintained high sales numbers without relinquishing discounts on 84% of sales.

SKILLS

- Leadership
- Product Strategy
- Critical Thinking
- Autodesk Auto CAD
- Lean Manufacturing
- Microsoft Excel
- Cost Estimating
- Sales Strategy
- 3D Printing
- Inventor / 3D Modeling
- Check Fixtures
- Six Sigma

EDUCATION & CERTIFICATES

AutoCAD 3D Drawing and Modeling

ONLC Training Center May 23, 2022

Lean Fundamentals

Lean Six Sigma September 28, 2023