

Eric Groos

Sr. Manufacturing Engineer

Experience

Sr. Manufacturing Engineer at Johnson Controls

January 2015 - Present (1 year)

Fabrication Team Manager at Detroit Tool Metal Products

June 2014 - November 2014 (6 months)

Lead the Fabrication Engineering Teams at multiple plant locations in the US ->Work to standardize laser, turret/punch press, press brake and assembly operations, standard work, set-up reduction and quality system documentation across all Ironform Fabrication operations in MO, TX, WA and VA ->Perform root cause investigation and provide corrective actions for related customer and internal rejects ->Travel to and work with customers on their production lines for continuous improvements and quality issues ->Assist in complete rewrite of DTMP-Ironform TS16949 quality manual ->Assist and troubleshoot new product launches in multiple facilities

Engineering Manager at Detroit Tool Metal Products

July 2013 - June 2014 (1 year)

Manage new product launches. Aid in process and layout improvements. Work on root cause analysis for quality rejects. Aid in set-up reduction.

Manufacturing Engineer at Detroit Tool Metal Products

November 2008 - June 2013 (4 years 8 months)

- Participate in process and product improvements in the fabrication, press, paint, assembly and weld departments
- Support fabrication department in re-layout to create laser/press brake cells to facilitate lean manufacturing and reduce changeover time and reduce processing time through the shop
- Research and procure new 500 Ton press brake and new 5000 watt Trumpf Laser
- Supervise Launch Department and assist in over 400 new product launches
- Participate in process and product improvements in APQP
- Successful transition of PMs into the new CMMS
- Developed multiple Excel Macro Driven tracking tools for TS certification and process improvement
- Mistake-proofed over 60 parts
- Created Excel Macro Driven PFMEA generation tool saving countless hours in PPAP document submission and improved TS compliance related to PFMEA, PFD and Control Plans.

Manufacturing Engineer at Modine Manufacturing Company

April 2002 - November 2008 (6 years 8 months)

Launch new Global Radiator Program Manage Maintenance and tooling department. Troubleshoot automated machines using RSLogix 5, 500, 5000 Product and process improvement Root cause analysis for quality rejects

Manufacturing Engineer at American Air Filter

April 2000 - April 2002 (2 years 1 month)

Maintain BOO/BOM Estimate all non-standard product Improve quoting tool for added flexibility Time study current operations Implement lean and 5S

Skills & Expertise

Value Stream Mapping

Root Cause Analysis

Manufacturing

Engineering

Manufacturing Engineering

6 Sigma

5S

5 Why

8D Problem Solving

TS16949

Excel Macros

PFMEA

ISO

Internal Audit

Kaizen

Project Management

APQP

PPAP

Quality System

Mistake Proofing

Process Improvement

ISO/TS 16949

Microsoft Excel

Lean Manufacturing

Metal Fabrication

Engineering Management

Product Development

Industrial Engineering

Continuous Improvement

Six Sigma

Education

Missouri School of Science and Technology

Master's degree, Engineering Management, 2007 - 2012

University of Missouri-Columbia

Bachelor of Science (BS), Industrial Engineering, 1991 - 1996

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[Contact Eric on LinkedIn](#)