

Michael Dziubek
Mechanical Design / Project Engineer
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Objective:

Mechanical design engineer or mechanical project engineer position where my skills and experience can be effectively utilized for increased profitability and improve the end product.

Skill set:

- Expertise in using AutoCAD, Inventor, Creo Elements and SolidWorks CAD design tools
- Virtual Gibbs VMC programming experience
- Experience with service and sales support
- Over 20 years engineering experience
- Good problem solving skills
- Strong mechanical aptitude
- Engineering degree from Milwaukee School of Engineering
- Energetic
- The ability to effectively and professionally communicate
- Working knowledge of Microsoft Word, Excel, Project and Outlook
- Technically competent computer skills
- Fixture design, machine tools
- Pneumatic and hydraulic circuit design

Experience:

Putzmeister America, Sturtevant, WI

July 2013 – Present **Product Manager Large Line**

- 3D CAD Design [Creo Elements]
- Oversee product engineers and interns
- Generate, maintain, and update B.O.M. [Bills of Material] for product line
- Work daily with SAP [ERP] to perform engineering tasks
- Created ECN's to correct product drawings & B.O.M.
- Support manufacturing with engineering support
- Service and application support to contractors in the field.
- Material selection – converting DIN to ASME for example

Putzmeister America, Sturtevant, WI

March 2012 – July 2013 **Product Engineer**

- Product design
- Product improvements

Putzmeister Background – Putzmeister is a global manufacturer of concrete and material placing equipment. The area I am responsible for is the concrete pumping boom trucks and the placing boom applications. The parent company is in Germany and is the source for most of the designs. The designs typically require some modification to meet the American markets. I have been involved in many mechanical designs and some hydraulics. Working with sheet metal, weldments large and small, and machined components. Because of the parent company being German there is a great deal of transition of drawings and technical documents required to stay updated to current changes.

ATI Ladish Forging, Cudahy, WI

March 2010 – March 2012 **Mechanical Designer [Hydraulic & Pneumatic]**

- Troubleshoot pneumatic and hydraulic systems to correct manufacturing problems
- Replace components no longer available with new ones and design to retrofit in current design
- Design mechanical fixturing
- Manage facility rebuild projects

Blain's Farm & Fleet, Oak Creek, WI

May 2009 – November 2010 **Small Engine Technician**

- Diagnosis and troubleshoot small engine problems
- Customer Service
- Repair and maintain the equipment

Radyne Corporation, Milwaukee, WI

December 2000 – June 2008 **Project Engineer**

March 1993 – December 2000 **Mechanical Engineer**

- Oversee projects of custom built heat treating equipment from sales concept to completion
- Interfaced with service technicians and end users to solve problems in the field both on and offsite
- Developed standard products increase productivity in future designs
- Designed part locators and tooling nest for customer parts
- Designed material handling, gantry, pick and place, and interfaced with robot integrators to load and unload product to work centers

Key Projects Worked On While at Radyne:

Briggs & Stratton: Worked on the design team that designed a heat treat system to harden the small engine crankshafts in three zones at one time in a single machine cycle. This project required that customer specifications were utilized for purchased items when applicable.

American Axle: This project was to design and build a heat treat machine for heat treating two automotive rear stub axle shafts in one machine cycle. Worked with the sales department on the front end of the project to assist in the costing for the proposal because of the necessity to incorporate the customer specifications for purchased items and design practices. Continued work with the Vice President of Sales to provide weekly 4-Square timeline and monthly executive review meetings, both formal and working meetings, to the customer for the duration of the project. The end design resulted in two mirrored machines to meet the customer's production requirements and integrate workflow of the work cell.

Snap On tools: This project was to design and build a heat treat machine for the hardening and temper of socket extension shafts. The unit was unique in that it was incorporated in an automated cell with robotics and that it straightened the extension shaft during the heat treating process. Interface with the robot automation house was an essential part of this project.

Education:

Illinois BIS – Root Cause Analysis
February 2017

ASM - Metallurgy for the Non-Metallurgist
February 2012

Milwaukee School of Engineering Bachelor Degree in Mechanical Engineering Technology
Graduation date: February 2011

Milwaukee School of Engineering Associate Degree in Mechanical Engineering Technology
Graduation date: May 1993

Patents:

Co-inventor on a patent pending for a shaft straightening machine that is incorporated with an induction heat treating unit that was designed and built during my time at Radyne.

Currently available for full time employment. Upon reasonable notification to current employer.