

Jeffery Anderson

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PORTFOLIO

Mechanical Design/Project/Industrial Engineer with 15 years manufacturing experience. Extensive knowledge of engineering processes and procedures, significant experience in design, repair, and upgrading of new and existing capital equipment with excellent troubleshooting, critical thinking, and problem solving skills. Offering strong leadership experience, writing project plans, equipment specifications and documentation, scheduling, reviewing bid proposals and awarding contracts, preparing budgets, and controlling expenses. Proven record of success completing multiple projects with competing deadlines on time and under budget while achieving all milestones and ensuring projects complied with customer specifications.

EXPERIENCE

TMD Friction Inc.

Dublin, Virginia

2007-Present

Mechanical Design/Process/Project Engineer

Manage and organize engineering projects and programs while maintaining all information and project details. Manage new product and product change realization according to TS16949. Assure accurate and consistent methods for attaining cost information are being used for the quoting of new product and product changes. Support plant activity to increase efficiency, reduce waste, downtime, and cost. Creation of PMFEA, Process Flow documents, timeline documents, DOE/DOE implementation, setup instructions, and work instructions. Coordinate APQP development and implementation in accordance with the TS16949. Design and build equipment that is necessary for production to meet capacity and or cost of product. Currently playing a key role in the closure of our U.S. facilities. Primary responsibilities during closure is to transition several brake programs to the Mexico facility, first by designing the necessary tooling to accommodate the change in processing from one type of machine to another, second to identify any potential problems in quality, cost, or function and resolve, third transfer equipment from the US to Mexico facility to meet additional volume requirements.

Honda of America Engineering,

Anna, Ohio

2001 to 2007

Engineering Coordinator

Mechanical Design Lead and Project Manager for capital projects, new model activity was the driver for most capital investments. Analyze and research the existing production methods for current product types and develop plans to manufacture the next generation product type keeping the product's manufacturing equipment common for product variation overlap with minor changeover time and minimum investment. Create costing information and timelines, design of the conceptualized changes while maintaining schedules and costing information. Lead project through to installation and sign off.

-Project highlights:

-HTM-#2 Case Line- Aluminum Machining- New Model investment (2wd to 4wd) - Manage group of (12) associates from design through install. Modifications included were exclusive and common machine tooling for the various machining operations and part transfer automation of both the bell housing and transfer case of the transmission (New/Modified Tool Layouts), Material handling for both bell housing and transfer case (Redesign C/V guiding, Lift/ Locate devices, End Effectors for Robot cells, stoppers, and conveyors) add additional CNC Machine and robot cell for added part features keeping the production rate the same as current.

-AEP-#1 Block Line- Aluminum Machining- Production Investment – Increase Line efficiency and reduce cycle times - Led team of 4 to evaluate critical areas that were high in cycle time and determine what was needed to meet new production levels. Additional Hone M/C was added in a parallel machining cell and an additional CNC machine with a robot cell was added prior to final inspection to machine any additional holes or surfaces that were high in cycle time.

-AEP-#0 Block Line- Aluminum Machining - Line Bore Machine (Lower Block Assembly) - Efficiency/ Quality Investment - Led group of 6 from the creation of the specification to final acceptance. Completely automating the lower block delivery process to the Line bore machining cell. Utilizing vendors, contractors, Internal designers, and the manufacturing support group. We were able to complete the entire project in less than 12 weeks.

Grob Systems Inc.,
Bluffton, Ohio
1995 to 2001
Sales/Design Engineer

Quoted and designed assembly cells for the automotive industry. Develop quotes/proposals by identifying equipment necessary to accomplish customer requirements while adhering to customer standards. Develop cell layouts for initial quotation and carry project over into the engineering phase. Layout and design of new equipment and bill of materials while managing project through to manufacturing. Track any manufacturing changes and implement revisions. Once engineering and manufacturing complete followed project through to installation and final acceptance at customer plant.

-Project highlights:

- Chrysler Mack Avenue - Cylinder Head Assembly M/C - Prepared Specification and quotation for customer - After PO Received I was responsible for hand off From Proposal stage over to Engineering. Eventually this line was duplicated and engineering costs were minimal.
- GM Flint - Cylinder Head Assembly M/C - Prepared Specification quotation for customer- After PO received followed project over into engineering and led initial design phases for the engineering and design of the project.
- Opel Germany - Cylinder head assembly M/C - Prepared Specification and quotation for customer while in engineering- Made several international trips to Germany to meet with customers and understand expectations. After PO was approved I stayed in Germany until all open issues for Grob US were closed.

EDUCATION

ITT TECHNICAL INSTITUTE,
FT. Wayne, Indiana
1994
B.S., Engineering Technology
Automated Manufacturing Technologies

ADDITIONAL SKILLS

- Product/Machine Design with CAD system, Manufacturing and Process Development.
- Automation and manufacturing equipment design.
- Machine, Fixture, Gage, and Mold Design.
- GD&T working knowledge.
- Technical sales, planning, and costing experience.
- Maintenance Engineering Support and PM control using Proteus
- APQP Development and Implementation, Audit Preparations and Follow Ups.
- PPAP Process experience.
- DOE process knowledge using Minitab.
- PFMEA/process flow/test plan development and implementation.
- Setup instruction / work instruction creation and implementation.
- Six Sigma / SPC / Kaizan working knowledge
- Auto Cad / Inventor / Word / Minitab / Excel / Project / Power Point / Visio
- SAP, Oracle, and Compliant Pro working knowledge