

## **TERRY A. SMITH**

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### **Summary**

Engineering experience in automotive and defense manufacturing environments, with specific competencies in:

Project Management	Production and Quality Efficiencies	Cost Estimating and Analysis
Friction Material Assemblies	Automotive Stampings	Aerospace Composite Assemblies
Automotive Supplier Assemblies	Gray Iron and Ductile Iron Castings	Machining

### **Education**

University of New Haven  
Master of Business Administration {Computer and Information Science}  
University of Missouri, Rolla  
Bachelor of Science - Engineering Management, {minor in Mechanical Engineering,}  
Six Sigma Plus Green Belt Certification

### **Experience**

#### **TMD FRICTION, INC.**

##### ***Process Engineer***

**Dublin, Virginia**

**2005 to present**

Responsible for processes in manufacturing Automotive Brake Pads in an engineering capacity

- Lead Engineer for APQP activity on new programs and existing program changes; General Motors, Ford, Mercedes, and Chrysler
- Create and implement part processes and manufacturing instructions
- Work with suppliers and customers to ensure design for process manufacturability
- Lead Engineer for international BMW production transfer projects
- Responsible for labor quoting and raw material requirements for all potential new business
- Use 6 sigma tools and DOEs modifying process, manufacturing equipment, or customer requirements

##### ***Second Shift Production Supervisor***

Responsible for 43 production operators improving production efficiencies and meeting customer schedules

- Champion a Kaizen Event on Packout Production using Lean Manufacturing Techniques
- Resolve quality and production problems by modifying the process, equipment, and operator training

#### **HONEYWELL, BENDIX FRICTION MATERIALS**

##### ***Quality Engineer***

**Lynn Haven, Florida**

**2001 to 2005**

Responsible for Automotive Quality engineering in the production of automotive friction brake pads

- Responsible for key quality contact with automotive suppliers
- Responsible for the quality testing and Quality Assurance production monitoring
- Managed and created PPAP submission packages
- Controlled Cost of Quality by improving gauging concepts
- Managed the MRB system with overall management and inventory control responsibilities

##### ***Manufacturing Engineer***

Technical Engineer responsible for automotive brake pads production lines and quality issues on the off shifts.

- Resolved daily and long term quality, process, and equipment problems
- Resolved internal and external quality problems using 6 sigma tools problem solving techniques
- Responsible for manufacturing work instructions and TS-16949 documentation
- Supervised off-shift Quality Control Technicians

**ANCHOR TOOL & DIE, CO.**

**Cleveland, Ohio**

***Project Engineer***

**1999 to 2000**

- Responsible for automotive product launches; General Motors, Mercedes, Ford, and Chrysler
- Managed automotive launches and engineering changes on stampings and welded assemblies
- Responsible for QS-9000 APQP documentation
- Responsible for equipment preventative maintenance plans
- Developed and implemented process error proofing concepts
- Worked with suppliers and customers to ensure design for process manufacturability
- Responsible for selecting, purchasing, and installing welding equipment, gauges, assemble fixtures, and stamping dies

**GLOBE METALLURGICAL, INC.**

**Cleveland, Ohio**

***Composite Laboratory Manager***

**1997 to 1999**

- Managed the Research and Development Laboratory which was developing new technologies that would have produced high temperature composite ladles for electric induction furnaces
- Trained and supervised employees engaged in the manufacturing of sample testing and filament winding
- Developed, installed, upgraded, and maintained processes for sample testing and filament winding
- Created and incorporated procedures that involved Safety, Quality, and Manufacturing
- Developed and maintained financial budget and purchasing functions

**TELEDYNE CASTING SERVICE**

**LaPorte, Indiana**

***Project Engineer***

**1996 to 1997**

- Responsible for product launches of 6,000 horsepower locomotive engine blocks, wind power transmission machine bases and automotive stamping dies
- Developed new Grey Iron and Ductile Iron production methods

**UGIMAG, INC.**

**Valparaiso, Indiana**

***Project Engineer***

**1994 to 1996**

- Maintained, repaired, and developed processes for grinding and slicing equipment for manufacturing rare-earth magnets
- Managed, designed, and implemented cost reductions and efficiency improvements
- Purchased spare parts, refurbished, and troubleshoot used and new grinding and slicing machines for domestic and Singapore grinding operations

**SIKORSKY AIRCRAFT**

**Stratford, Connecticut**

***Senior Industrial Engineer***

**1986 to 1994**

- Responsible for cost estimates and reporting on RAH-66 Comanche Airframe Structures during basic design
- Created an estimating model for composite assemblies which averted a \$100,000 purchase of an outside estimating model
- Selected Comanche prototype suppliers and negotiated the estimated production costs
- Created a manpower model which estimated headcount and overtime requirements for a two-year period
- Created and maintained Flight Assembly Center reports for five production departments that measured labor performance, overtime, and indirect hours

**BRUNSWICK DEFENSE**

**Marion, Virginia**

***Project Engineer***

**1983 to 1986**

- Managed CH-53E canopy and S-76 main-rotor-pylon composite programs
- Worked closely with Sikorsky Aircraft resolving engineering problems, controlling costs, production scheduling, and implementing design changes