

W. Louis Davis

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SUMMARY

- Project Management
- Equipment Installation and Upgrades
- Troubleshooting / Root Cause Analysis
- Inj. Molding, Hydraulic, Pneumatics & Tooling
- Continuous Improvement, Lean Manufacturing
- Production, Maintenance & Quality Supervision
- PE License in State of TN
- Automotive Quality Systems Management

EDUCATION

Tennessee Technological University, Cookeville, TN

Bachelor of Science Degree in Mechanical Engineering

SPECIALIZED TRAINING: Standardized Work, 5S organization, Key Process Indicators (KPI), TPM, Practical Problem Solving, Plan Do Check Act (PDCA) Continuous Improvement (CI), LOTO safety procedures, General Motors' GMS system for Business Plan Deployment (BPD), Injection Molding & Tooling (incl. hot runner systems), Predictive Maintenance, Mean Time to Repair (MTTR), Mean Time Between Failure (MTBF), Overall Equipment Effectiveness (OEE), Manage by Fact, Production Part Approval Process (PPAP), CMM, Dana's DOS system for manufacturing, Microsoft Office suite, Team building processes.

PROFESSIONAL EXPERIENCE:

Dana Corp.- Paris TN

Jun 2016 to Feb 2019

Engineering Manager, Quality / Machine Shop Manager

- Managed Change Management process including PPAP to customer (3 major programs, several minor)
- Managed 13-person Quality Department covering campus (4 prod. operations)
- Led successful effort to achieve IATF 16949 certification, and maintain BIQS and Q1 for the campus
- Reduced PPM by 85% and Customer Incidents by 10% (YOY)
- Managed new tool purchasing from design to PPAP
- Managed CMM operations: developed KPI system evaluated weekly to evaluate Dept. performance
- Managed 15-person tool room repair area

General Motors (Saturn) Corp.- Spring Hill, TN

Apr 1997 to Jun 2016

Project Engineer, Supervisor, Maintenance & Production

- Technical resource for (2) 15-machine injection molding operations (2000 – 5000 ton)
- Production Group Leader- (2+ yrs) 35 people in an injection molding operation
- Operations Module Adviser (supervisor) for 38-person maintenance dept. (10+ yr)
- Developed maintenance-related KPIs for business plan deployment at the departmental level.
- Supported implementation of all 6 GMS principles (SPQRCE) as well as the 33 elements not only as both a production and maintenance leader
- Certified ISO 9001-2000 auditor for Spring Hill Facility
- Coordinated purchase, certification, installation and startup of (2) 5000-ton injection molding machines and auxiliary equipment
- Coordinated the establishment of QS9000 program for maintenance department which was later used as the basis for site-wide Maintenance Maximo

- Trained personnel for certification in use of overhead crane
- Participated in suggestion program including cost reduction of \$500,000 implemented in 2014

Aladdin Industries, Inc., Nashville, TN

Oct 1993 to Mar 1997

Process Engineer

- Technical resource for 51-machine injection molding department (250 – 750 ton)
- Supervised plant personnel and outside contractors in conjunction with installation of a new automated handle welders and associated equipment
- Relief supervisor for production personnel

General Electric (Appliances Div.) INC., Columbia, TN

Sep 1991 to Oct 1993

Manufacturing Engineer

- Technical resource for a self-directed manufacturing work team
- Sourced, installed, and qualified equipment within work area for new product line start-up (total value: \$200,000)

Cosmolab, Inc., Lewisburg, TN

Apr 1985 to Sep 1991

Project Engineer

- Recommended and implemented company's first P.C.-based CAD system
- Developed various new processes including a cosmetic lead molding process resulting in sales of 13 million units in the first years
- Directed entire right-to-know and hazardous waste programs: reporting, record keeping and training
- Managed the design, installation, and operation of wastewater pretreatment system including testing and reporting
- Technical resource for the following manufacturing operations: pencil manufacturing, filling, assembly, decoration, packaging, and related operations

Lonestar Industries, INC., Cape Girardeau, MO

Jan 1982 to Apr 1985

Engineer I

- Used predictive vibration analysis & other predictive maintenance techniques to reduce unscheduled downtime on kiln and other large-scale rotating equipment
- Supervised outside contractors for the installation of various process systems

Relocation Considered / Local Preferred