

## ENGINEERING MANAGER

### Experience

#### Engineering Manager

February 2008 to Current Company Name i¼ City , State

- Supervisor: Tom Mosca, VP Manufacturing
- Manager of tool room, tool service, and punch manufacturing departments
- Manager of engineering, drafting, CNC programming, and lean/continuous improvement
- Engineering support for supervisors and shop floor with emphasis on problem solving
- Research, planning and execution of capital projects
- Design and engineering calculations for custom architectural products and fabrications
- Cost estimating of fabricating work and architectural projects
- Design and develop perforating punch tooling
- CNC programming of Whitney punch/plasma
- CNC programming of Trumpf press brake
- Research and implement new manufacturing processes
- Train employees in the operation of new equipment and new manufacturing processes
- Lead research and development efforts for high precision products
- Assist outside sales with customer visits and technical proposals
- Provide technical support to inside customer service and interact with customers
- Work with customers and outside tooling vendors to design automotive stamping dies
- Support for maintenance and operation of perforating, stamping, and throat presses

#### Manufacturing Engineer

October 2004 to February 2008 Company Name i¼ City , State

- Supervisor: Dave Rollison, Owner
- Cost estimating from customer supplied parts or drawings
- Creation of shop floor routing for parts and assemblies
- CNC programming of Amada turret presses
- Scheduling and supervision of entire shop
- Train shop personnel in the operation of CNC equipment
- Total customer service from design and estimating to production and delivery
- Maintain and repair shop equipment and hand tools
- Quality control and part inspections
- Maintain, repair, and upgrade turret press tooling
- Cost engineering and problem solving to meet customer needs

#### Manufacturing Engineer

September 2002 to October 2004 Company Name i¼ City , State

- Supervisor: Gary Albright, Owner
- Creation of flat patterns from customer supplied drawings
- CNC programming of Amada turret presses
- CNC programming of Amada FMS line with right angle shear and sorting system
- Maintain and repair CNC equipment, powder coating system, and air compressors
- Train shop personnel in the operation of CNC equipment
- Prepare standard work instructions for all aspects of shop operation
- Design and subcontract special tooling for press brakes
- Total project management from raw materials to packaging
- Subcontract machining, plating, irridite, and silk screening
- Maintain steel and aluminum inventory
- Estimating of new jobs and customer service
- Shop supervision and inspection of parts through the manufacturing process
- Time study and cost comparison to quotes
- Assist customer with design for manufacturing

#### Manufacturing Engineer

October 1997 to September 2002 Company Name i¼ City , State

- Supervisor: Chuck Searfoss, General Manager
- Creation of flat patterns from customer supplied drawings
- CNC programming of Amada and Behrens turret presses
- CNC programming of Trumpf automated punching cell
- CNC programming of Trumpf laser
- Programming of Motoman 2-head robotic welding cell

- Creation of shop floor routings for parts and assemblies
- Design and build welding fixtures for robotic welding cell
- Design and build fixtures for OBI punch presses
- Manage all tooling for punch presses and press brakes
- Design and order all special tooling for punches and brakes
- Research, select, and justify new capital equipment
- Train shop personnel in the operation of new equipment
- Lead maintenance department in the repair of equipment and tools
- Time study and cost analysis of equipment in operation
- Work with customers to identify and solve manufacturing problems

#### Manufacturing Engineer

February 1996 to September 1997 Company Name 1/4 City , State

- Supervisor: Jim Nance, General Manager
- Creation of flat patterns from customer supplied drawings
- CNC programming of Amada turret presses
- CNC programming of Amada FMS and automated punching cells
- CNC programming of Amada lasers
- Creation of shop floor routings for parts and assemblies
- Design and order special tooling for punches and brakes
- Research and recommend new capital equipment
- Assist in the maintenance and repair of equipment and tools
- Time study and run time analysis of equipment in operation
- Work with customers to identify and solve manufacturing problems

#### Mechanical Engineer

December 1993 to January 1996 Company Name 1/4 City , State

- Supervisor: Bill Higgins, General Manager
- Design systems and create approval drawings from customer supplied specifications
- Structural steel design and pressure calculations for industrial dust collection
- Create detailed shop floor drawings from approved designs
- CNC programming of Amada punch/plasma turret press
- CNC programming of MG systems plasma table
- Redesign, modify, and customize product line of utility truck bodies
- Total product support for line of industrial louvers and dampers
- Wind and hurricane load calculations on louvers and penthouses
- Assist in the design and manufacture of welding fixtures

#### Designer/Drafter

March 1993 to December 1993 Company Name 1/4 City , State

- Supervisor: Dave Whalen
- Create detailed part drawings of ice cream hardening machines and conveyors
- Create layout and installation drawings of industrial pallet storage systems
- Create electrical schematics and control panel drawings for ice cream hardening machines Proficiencies and Training: AutoCAD 2012, Digital Resources DB32 Punch/Plasma, Trumpf Suite Punch/Bend/Laser, Amada Punch/Plasma/Laser, Motoman MRC, MIG/TIG Welding, Syman, Q&A, Made2Manage MS Excel, MS Word, MS Outlook, Encompix Die Setting Training, Lean Manufacturing Training, 5S/Kaizen Event/Kanban Training, A-B PLC Training Notable career projects: Pacific 400 ton stamping press - inspection, purchasing, installation, and startup. Best Buy - design shade system, canopy, and entry wall element, installed on 60 stores. DENR building in Raleigh NC - design and manufacture sunshades covering entire south face. Hershey Medical Center - design for manufacturing of raised planter weldments. Southern Environmental - punching diffuser plates from Hardox 450. Johnson Controls - design 24' tall exterior column covers for main campus buildings. Kenworth - create manufacturing cell for muffler guards, grills, and grill trim assemblies. Peterbilt - create manufacturing cell for grill trim weldments and assemblies. Lutron Electronics - design for manufacturing of panels, boxes, and enclosures. Ericsson Telecommunications - design for manufacturing stainless steel electronics enclosures. Diebold - design for manufacturing electronics enclosures, light duty ATM cabinets. NCR - set of manufacturing cell for electronics enclosures and circuit board parts. Better Engineering - design for manufacturing of washing cabinets. Playworld Systems - design for manufacturing of playground platforms and stairs. Coolaire Systems - design for manufacturing of industrial air conditioning enclosures. Peavey and Crest Audio - manufacturing of stereo amplifier chassis. Vulcan Hart, ITW, and Wolf Range - manufacturing of stainless steel panels. Vulcan Hart - design of heat exchanger and assembly machine. Fleetwood Motorhomes - robotic welding of chassis trusses and various brackets and panels. Alaska, Keystoker, Leisure Line, and Reading Stove - manufacturing of wood and coal stoves. Trafcon Inc - manufacturing of construction zone light panels. Morrison Truck Bodies - designed crane body with open crane compartment. Airline - designed watertight louver/damper combo with high performance.

#### Education

B.S. : Mechanical Engineering West Virginia Institute of Technology 1/4 City , State , US West Virginia Institute of Technology Montgomery, West

Virginia 25136 Major: Mechanical Engineering Graduation: B.S. December, 1992

#### Skills

Welding, Automotive, Automotive Cnc, Cnc, Cnc Programming, Shop Floor, Tooling, Amada, Engineer, Maintenance, Customer Service, Estimating, Receptionist, Retail Sales, Manufacturing Engineer, Cost Estimating, Problem Solving, Plasma, Brakes, Stamping, Automotive Stamping, Continuous Improvement, Drafting, Engineering Support, Manufacturing Processes, Outside Sales, Press Brake, Proposals, Sales, Sales With, Stamping Dies, Technical Support, Tool Room, Press Brakes, Laser, Motoman, Robotic, Robotic Welding, Strippit, Turret Press, Cost Analysis, Hand Tools, Inspections, Quality Control, Scheduling, Design For Manufacturing, Inspection, Collection, Flux Core, Load Calculations, Mechanical Engineer, Mechanical/electrical Engineer, Product Support, Steel Design, Structural Steel, Structural Steel Design, Compressors, Inventory, Machining, Manufacturing Process, Packaging, Plating, Powder Coating, Project Management, Shear, Sorting, Total Project Management, Lasers, Air Conditioning, Assembly, Autocad, Autodesk, Buying/procurement, Cabinets, Chassis, Circuit Board, Control Panel, Conveyors, Designer/drafter, Electrical Schematics, Excel, Kaizen, Kanban, Lean Manufacturing, Mig, Ms Excel, Ms Outlook, Ms Word, Ncr, Outlook, Purchasing, Schematics, Stainless Steel, Stamping Press, Telecommunications, Tig Welding, Training, Trusses, Word, Mechanical Engineering