



Lean Conversion Experience

Lean Masters Consulting Group, Inc.

(502) 839-0070

www.leanmasters.com



Types of Products

- Electric Chainsaws
- Hand Tools
 - Gun Powder Actuated Nail Guns
 - Ratchets
 - Torque Wrenches
 - Sockets
 - Specialty Automotive Mechanical Tools
 - Hack Saws
 - Gear Puller
 - Ring Compressor
 - Oil Wrench Filters



Types of Products

- Door Bells and Chimes
- Natural Gas Heaters
- Portable Heaters
 - Natural Gas
 - Propane
 - Kerosene
- Portable Electric Generators
- Fireplaces
 - Vented
 - Vent Free
- Gas Log Sets
- Refractory Manufacturing



Types of Products

- Jewelry
 - Gold and Platinum
 - Machined Rings and Bracelets
 - Cast Rings
 - Cast Extruded and Drawn
 - Gold, Copper, and Platinum Bi-metal Tubing
- Warehousing, Packing, and Distribution
- Electrical Distribution Transformer
 - 10 KVA to 500 KVA
- Electrical Distribution System Instruments
- Injection Molding Products
- Die Sets
 - Small to Progressive Die in Automotive Body Panels
 - Custom Designed



Types of Products

- Mold Sets
- Pin and Bushings for Mold Sets and Die Sets
- Cams for Die Sets
- Hydraulic Die Opening Equipment
- Hydraulic Pumps
- Stretch Wrap Machines
- Water Pumps
- Gear Box
 - Small to Massive
- Hydraulic Cylinders
 - Small to Very Large
 - Standard to Custom Design



Types of Products

- Air Cylinders
 - Small to Very Large
 - Standard to Custom Design
- **Bi-Metal Thermostats**
- **Agricultural Equipment Power Trains**
- **Motor Home Suspension Systems**
- **Commercial Bakery**
 - Cakes
 - Individual Pastries
 - Croissants
 - Frozen Dough Products
- **Fabric**
- **Vending Machine**
- **Industrial Floor Scrubber**



Types of Products

Automotive Products

- Automobile Assembly
- Automotive Components
 - Instrument Panel Assembly
 - Electric Circuit Board
 - Catalytic Converter
 - Wheel
 - Door Hinges
 - Door Locks
 - Electric
 - Manual



Types of Products

Automotive Components

- Window Regulators
 - Electric
 - Manual
- Tail Gate Latches
- Automotive Seats
 - Foam Molding
 - Seat Mechanisms
- Seat Slides
 - Electric
 - Manual
- Seat Cover Cut and Sew



Types of Products

Automotive Components

- Seat Assembly
 - Just-In-Time
 - Just-In-Sequence
- Fixed Windows
 - Molded PVC
- Hand Brakes
- Inside Door Handle
- Automotive Power Train
 - Engine Block Casting
 - Engine Head Casting
 - Engine Block Machining
 - Engine Assembly
 - Transmission Assembly



Types of Products

- **Automotive Manufacturers**
 - Toyota Motor Company
 - Ford Motor Company
 - Daimler Chrysler



Manufacturing Processes

Lean Masters Consultants have experience with Flow Design, TPM, Setup Reduction, and Kanban Systems on the following manufacturing processes:

- Lean Plant Layout
- Multi-Plant Consolidation
- Production Assembly
 - Assembly Lines
 - Assembly Work Cells
- Sub Assembly



Manufacturing Processes

- Welding
 - Spot
 - Arc
 - Projection
 - Automatic
 - Manual
- Painting
 - Powder Coat
 - Electro Deposition Painting
 - Paint Line Load and Unload
 - Film Dip



Manufacturing Processes

- Machining
 - Precision Machining
 - Steel
 - Brass
 - Gold
 - Platinum
 - Aluminum
 - EDM Machining
 - Manual Machining
 - CNC Machining Centers
 - Small to Very Large
 - Boring
 - Hand Turning
 - Surface Grinding
 - Centerless Grinding
 - Automated Engine Block Machining Lines



Manufacturing Processes

- Metal Stamping
 - Manual Loading Presses
 - Coil Fed Single Station
 - Coil Fed Progressive Die
 - Transfer Presses
 - Coil Slitting Line
 - Cut to Length Line
 - Steel Rule Die
 - Press Brakes
 - Deep Drawn
 - Prepainted Metal
 - Turret Presses



Manufacturing Processes

- Injection Molding
 - Inside Door Panels
 - Fixed Windows with PVC Molding to the Glass
 - Multi-Cavity
 - Single Cavity
 - Molding Trim in Assembly Combination Work Cells
 - Blow Molding
- Cold Headers
- Heat Treat
- Plating
 - Rack Plating
 - Barrel Plating
 - Steel
 - Aluminum
 - White Gold



Manufacturing Processes

Lean Masters Consultants have experience in repetitive manufacturing operations as well as one of a kind custom-designed products such as die sets. Lean Masters experience includes Kaizens with all size companies, small to very large.