



Typical Engagement: Manufacturing operations improvement for forging, assembly, and precision metal forming. Objectives: Improve service, reduce costs, and simplify processes for ERP (Enterprise Resource Planning) or MRP (Material Resource Planning) software.

- Order management/planning/materials management/scheduling
 - Advanced notice of completed order at shipping pack
- Production operations
 - Redesign of Bill of Materials, Routing, Pick List, Issue or Dispatch List
- Finished goods inventory
 - Lot tracking with automated routing, barcode/tag/traveler printing and scanning
- Business tracking and analysis
 - Manage lead time variance using predictors of trends.

Process to Identify Improvements:

- MCGI analyzes all aspects of your manufacturing process from order entry through plant production and collections. Improvements are identified and incorporated into a self-funding work plan, coordinated with the scheduled changes to standard work (ERP, work center, BOM). Self-funding works by saving existing operational expenses.
- An improvement and optimization work plan consists of: 1) analyze trends and baseline, 2) establish work standards and productivity targets, 3) introduce corrective action at the source of failure or “non-value add” costs, and 4) control the manufacturing process for lead time variances and waste.

Typical Improvement Benefits:

- Operating cost down 4–11%
- Annual savings of \$0.5–2M
- Unplanned downtime, over time, or wait time down 10–25%