Kirkwood Training & Outreach Services is your lean training resource. Is your organization a small, mid-sized or large-scale manufacturer? Are you looking for assistance to become stronger, more efficient and cost effective?

Simply defined, lean manufacturing is a method of doing more with less. Lean manufacturing will improve throughput, reduce inventory and can substantially improve productivity. Lean manufacturing principles involve a tried and tested approach to continuous process improvement. Let us sit down and review your current production practices and set in motion changes that improve your use of resources and output.

Concept and skills training courses include:

**PRINCIPLES OF LEAN MANUFACTURING 101**
Learn the principles of lean manufacturing and how to apply them.

**VALUE STREAM MAPPING**
Visualize and understand the flow of material and information as a product or service makes its way through the value stream.

**THE 5S SYSTEM**
Learn the series of activities designed to improve workplace organization and standardization. (continued on reverse)
SETUP REDUCTION
Learn the standard methodology of reducing or ultimately eliminating the time it takes to setup or changeover for a job.

CELLULAR/FLOW MANUFACTURING
Learn how to link and balance manufacturing operations to reduce lead times, minimize work in progress, optimize floor usage space and improve productivity.

PULL SYSTEMS/KANBAN
Learn how to control shop floor inventory and production schedules by implementing pull systems.

TOTAL PRODUCTIVE MAINTENANCE
Learn to proactively maintain machines and equipment at their peak productivity.