



Reduce Manufacturing Cost

Increase Speed-to-Market

Build and Sustain a Lean Organization

BUILDING A LEAN CULTURE

Small and medium-sized manufacturers have had a tough time competing in the global marketplace. Foreign competition, directly or through domestic off-shoring, has presented challenges that have threatened the health of U.S. manufacturing. Many manufacturers have learned that making the organizational commitment to master the concepts of Lean will increase the focus on the customer. By increasing product speed-to-market and reducing costs, Lean principles improve competitiveness and customer satisfaction.

Lean manufacturing removes and/or minimizes non-value work activity from the manufacturing process, streamlining all company processes from the front office, throughout production to the way products are distributed. Once processes are improved, a key element of Lean is the concept of “*continuous improvement*” which recognizes that deploying Lean is never complete. Improving processes using Lean techniques makes manufacturing more efficient and creates ongoing benefits.

To build a Lean operation, a company must accept that cultural change is required for Lean to be a success. Senior management needs to understand the impacts of Lean and the company must commit the right people to lead the improvement program. Once a shared vision to change has been communicated and an implementation plan established, the Lean journey can begin.

The implementation of Lean will focus on nine areas in a company that provide opportunities to remove waste.

Lean Addresses the Nine Areas of Waste	
• Motion	• Quality
• Inventory	• Overproduction
• Waiting Time	• Processing
• Transportation	• Creativity
• Information	

Lean implementation must satisfy the five Principles of Lean and is necessary to address the nine key areas of waste. These principles are designed to insure that the improvements are customer-centric, solve critical waste issues and can be sustained.

A SUCCESSFUL LEAN JOURNEY MUST SATISFY THE FIVE PRINCIPLES OF LEAN

- Understand value as defined by the customer
- Define the value stream for the organization
- Establish continuous flow within the organization
- Maintain the flow through the use of a pull system
- Pursue perfection through continuous improvement of the processes



While the Lean journey is ongoing, realizing Lean benefits can happen rather quickly. Some Lean goals are reached in a matter of weeks, most within a few months. However, sustainment of Lean benefits only comes with a company-wide commitment to support the changes that have led to the improvements.

THE CMTC® LEAN MANUFACTURING TOOLKIT

The CMTC Toolkit is composed of many different methods and techniques to implement Lean. The decision as to how to use the right Lean tool to solve the appropriate issue requires an individual trained and experienced in the implementation of Lean.

The following are some of the tools that are available in the CMTC Lean Manufacturing Toolkit that can be used to improve the efficiency of your operation. In addition, CMTC will evaluate the change requirement and lead an organizational change initiative to insure Lean is implemented completely and the improvements are sustained.

The CMTC Lean Manufacturing Toolkit	
TOOL	DESCRIPTION
Lean Readiness for Change Assessment	Evaluates desire to change & sustain improvements
Value Stream Mapping	Illustrate current and future states
Kaizen	Process improvement events
Simulation	Hands-on learning of key principles
Standard Work	Everyone uses the best practice
Mistake Proofing	Work Aids to prevent errors
Level Production	Provide for smooth flow of work
6S	Organize work space to reduce waste & improve safety
Scorecard	Track progress to baseline
Pull System	Pace work to customer's need
Visual Factory	Display notifications for rapid response

GETTING STARTED TODAY

Call (310) 263-3060 or visit www.cmtc.com for more information on our organizational change capabilities and Lean improvement tools and techniques that are available. Get started on your journey to build and sustain a Lean organization.