

LEAN MANUFACTURING CERTIFICATION

Become an Effective Change Agent and Lean Implementer

The highly interactive Lean Manufacturing Certification consists of five days of simulation-based, hands-on workshops that present Lean concepts, principles, tools and techniques. The course is tailored for manufacturing professionals leading Lean initiatives who want to equip themselves with the skills necessary to be effective.

Different types of waste will be defined from a Lean point of view. The root causes of these wastes will be examined and successful methods used to eliminate them will be demonstrated. Through numerous hands-on exercises, you will see how the tools and lean thinking can be applied.

Learning doesn't stop once training is over. Participants can access TMAC before, during and after training for coaching to rapidly apply what they learn.

The Texas Manufacturing Assistance Center (TMAC) accelerates the profitable growth of manufactures by implementing methods, innovation, technology and best practices to develop and improve products, processes and people. TMAC South Central Region operates out of Southwest Research Institute (SwRI) in San Antonio, TX. TMAC is an affiliate of the Manufacturing Extension Partnership (MEP) program of the National Institute of Standards and Technology (NIST).



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MODULES

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Participants can access TMAC after training for coaching to rapidly apply what they learn.

Visit our site to find a course near you.

tmac.swri.org

INCLUDED

- Course binder
- Access to TMAC instructors after the course
- Breakfast, snacks and lunch
- Certificate with CEUs issued upon passing of examination



A program of  SwRI

Value Stream Mapping (VSM) This module is designed to create the awareness and necessity of the Value Stream Mapping process. It introduces selecting product families, mapping the value stream of selected family, and creating a plan to transform the value stream to achieve customer expectations.

5S Workplace Organization This workshop conveys the 5S methodology and contains case histories and visual examples from companies that have successfully applied this tool. Participants leave with the knowledge of what visual order is and what the visual workplace looks like.

Kaizen Facilitation A Kaizen Event is a rapid improvement approach for deploying waste reduction activities to achieve a quick return on investment. The skills required to effectively facilitate and manage an event go beyond the knowledge of the tools. This workshop focuses on the required skills and information needed to successfully run an event.

Cellular Manufacturing Participants learn how to link manual and machine operations into the most efficient combination to maximize value-added content while minimizing waste. This module focuses on the creation of cells to flow product through the manufacturing process.

Total Productive Maintenance (TPM) This workshop presents fundamental TPM concepts, terminology, tools and techniques applicable in machine-intensive environments. This course focuses on the eight pillars within TPM to prevent machine downtime by reducing the six major equipment losses.

Setup Reduction Participants learn the 4-step methodology for systematically reducing setup times of production equipment. Reducing setup times is vital to creating capacity and flexibility. It also enables companies to reduce batch size thereby reducing working capital and decreasing process lead time.

Kanban/ Pull Manufacturing Learn how to design and implement a visually driven, employee-controlled material replenishment system.

Standard Work The instructors will lead the class through the process for developing standard work in a work cell. Standard Work is the key to standardization and waste analysis in the cell.