

Lean 101

The Lean Manufacturing 101 seminar is a one-day, eight-hour, hands-on training class that teaches the principles of lean manufacturing through interactive participant involvement. The seminar uses a specially developed kit owned by SCMEP.

The class consists of the trainees operating a simulated manufacturing job shop, M&M Pneumatics. The class has three “rounds” in which the efficiency and effectiveness of the simulated manufacturing operation are closely monitored using real-world performance measures. After each round a review is conducted and training in the principles and practices of a set of lean manufacturing tools is delivered. Trainees then incorporate the lean tools in the set-up of the next round and once again directly monitor the improvements their efforts have made. The training will demonstrate not only the concepts and results of lean manufacturing, but also the systematic approach required for successful implementation.

Workshop Outline

- Orientation to M&M Pneumatics (the company participants will be operating)
- Round 1 – Application and debrief of results: traditional manufacturing
- Introduction to Lean Manufacturing
- Implementing Lean: standardized work, 5S, visual controls, and plant layout
- Round 2 – Application and debrief of results: implementing lean
- Implementing lean: quick changeover, batch reduction, point-of-use storage, quality at source, teams, cellular flow, total preventive maintenance, pull systems
- Round 3 – Application and debrief: implementing lean
- Implementation of lean
 - Continuous improvement
 - Lean building blocks
 - Keys to success
 - Benefits of lean
 - Typical objections
 - Getting started

To function effectively, the class requires a minimum of 12 participants. Maximum number of participants is 16.