



## EMS Consulting Group

### Material Flow and Kanban Systems

***Description:***

**Course: MAT01**

This course will teach the implementation of a lean pull system for purchased parts that ensures that purchased parts are delivered to manufacturing cells efficiently and timely. Attendees will learn how to develop and use a system for planning parts, how to setup purchased parts supermarkets, how to implement kanban, and how to effectively deliver purchased parts to manufacturing cells. Using a case example, participants will make calculations and design a system for handling purchased parts.

***Audience***

This course is designed for manufacturing and plant managers, production control managers and supervisors, materials managers and analysts, manufacturing and industrial engineers, industrial managers, operations engineers, purchasing personnel, and anyone involved in the changeover to a lean operation.

***Benefits***

- Lower inventory and increased productivity
- Elimination of operator time retrieving/finding parts
- Higher plant inventory turns
- Less inventory
- Increased safety

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### **Material Flow and Kanban Systems (Cont.)**

#### ***Outline***

- Lean Overview/Kanban Systems
- Benefits
- The Team
- Material movement within a Facility
- When and Where to begin implementation
- Part Planning
- Exercise
- Purchased Parts Market
  - Sizing/Storage Requirements
  - Logistics
- Setting/Specifying/Managing Inventory Levels
- Exercise
- Pull Signals
- Part Movement/Material Handling
- Exercise
- Standardized Work
- Calculating Kanban
- Exercise
- Sustaining/Auditing

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