



Lean Manufacturing Workshop
May 7, 2007
Miami Beach Convention Center • Miami Beach, FL USA

SPESA Expo and [TC]² are offering a Lean Manufacturing Workshop during SPESA Expo (May 8-10, 2007 at the Miami Beach Convention Center, Miami Beach, FL USA)

Participants will learn how LEAN MANUFACTURING systems reduce work-in-process, increase quality, and shorten lead times, as well as an understanding of the commitment LEAN MANUFACTURING requires at all levels of the operation.

Topics and activities during the workshop include:

TRADITIONAL PRACTICES

Penville Plant Exercise – Participants in this hands-on exercise manage and operate a plant that produces ball point pens in a traditional manufacturing environment. Many of the difficulties regarding balancing long lead times, inflexibility, and quality concerns of a traditional progressive bundle environment are experienced firsthand.

PARADIGMS

Ability to accept change has never been more important than in today's working environment. This session is designed to address many of those changes especially regarding the implementation of LEAN manufacturing.

STATISTICAL FLUCTUATIONS AND DEPENDENT EVENTS

This section will bring to bear why a front line supervisor spends the majority of her/his time trying to keep the system balanced. A hands-on exercise will highlight why a progressive bundle system is not capable of being balanced and why. A facilitated discussion will follow the exercise and begin to address ways to improve this balancing problem that prevents supervision from performing their real job of coaching, training, and providing the direct labor work force with the tools and information necessary to perform their job.

THE DYNAMICS OF LINE BALANCING

Dynamic Line Balancing involves determining "When" and "Where" to move operators with multiple tasks. Movement is used to control the daily variations in operator efficiency, machine downtime, and therefore work-in-process levels. Participants will practice dynamic line balancing by using an animated, interactive simulation tool. A company's ability to optimize their production in a Team Sewing environment will be directly dependent on the ability of production workers and supervisors/team leaders to make good balancing decisions. The "Science" of balancing will be discussed by

dissecting the thought process of making a "Movement Decision" based on a "Movement Rule".

KANBAN

One of the key differences in traditional manufacturing and LEAN manufacturing is the concept of pull. As a requirement for LEAN manufacturing, attendees will participate in a hands-on exercise that introduces this concept of pull manufacturing.

LEAN PRACTICES

Penville Plant Revisited - The last session of the day builds upon all the information addressed thus far in the workshop. The attendees will have an opportunity to revisit Penville, which by now has converted to LEAN manufacturing. This exercise allows each participant to experience LEAN manufacturing firsthand and witness many of its benefits.

COMPENSATION

In this section, we will discuss how compensation systems are an integral part of any manufacturing strategy. Piece work incentives fit well with mass production but will have to change to be integrated into LEAN manufacturing environments. We will construct a sample pay plan and discuss the basic structures of some current proactive systems being used by the industry.

THE IMPACT OF TEAM-BASED MANUFACTURING ON THE ENTIRE ORGANIZATION

We will discuss the impact of team-based manufacturing on the entire organization. Participants will learn about specific changes that support functions need to make to receive the full benefits of team-based manufacturing.

Informed management commitment and support is the key to the successful implementation of employee involvement team processes. The seven levels of involvement - from traditional methods to the most advanced forms of employee involvement - will be presented. Additional key criteria such as Team Roles, Problem Solving Methods and Group Dynamics will be covered. Primary obstacles to success will also be identified.

LESSONS LEARNED - SUMMARY

Each participant will summarize the key concepts that are relevant to the successful implementation of employee involvement processes.

The cost for each participant is only \$200 in advance (\$295 on site). *This is less than half of the normal price.*

To register go to

http://www.expologic.com/registration/dsp_eventMain.cfm?eventID=107