

301B - Lean Layout

Paul T. Verschaeve
pverschaeve@surefoundationsllc.com
Cell: 586-604-4283

Overview

A simplistic classroom exercise, which demonstrates the effectiveness of using lean manufacturing design rules to achieve maximum efficiency in a creating a lean layout process.

Objective

- To identify the effectiveness of lean tools
- To increase the awareness of how lean tools are applied
- To demonstrate the relationship of takt time has to material flow
- To develop a form of team building as participants work together to solve a problem

Topics

1. Takt Time
2. Layout designs
3. Level production
4. Transfer batch size
5. Pull replenishment

Activity

Classroom instruction mixed with team building exercise. Participants define current state conditions and then are tasked to create a more efficient layout using their knowledge of lean manufacturing design rules.

Course Timing

This course is a classroom session, which is planned for a 30-minute introductory refresher of Takt Time training and lean manufacturing design rules and a 2 hour time slot for the group to measure current conditions and develop an improved layout.

Materials

Overhead projector
Slide Show Presentation
Flip Chart paper
White Board/ Markers
Lean Layout Class materials

Participants (6-10)

Team Leaders
Manufacturing Engineers
Scheduler
Operators/Assemblers
Manager/Supervisors
Cross-Functional Team

Milestones

Pre- Requisite- All Fundamental Courses (101-105)

Especially helpful is advanced knowledge of how to calculate process takt time.