

Overview

The calculation used in the manufacturing process that defines the customer daily demand for the product. (Note: Takt Time is a management tool.)

Objective

- To distinguish cycle time from takt time
- To comprehend how process tasks may be rearranged to achieve customer demand
- To determine what alternatives exist when the takt time cannot be achieved
- To construct a Cycle Time vs. Takt Time graph

Topics

1. Product volume
2. Available Time
3. Customer Demand
4. Constraints

Activity

Individuals will be required to calculate takt time against given problems during the course session. (Note: Manager should provide production volumes for team to use in their calculations.)

Course Timing

This course is a classroom session, which generally should be completed in 1 hour. This lean tool is normally used during a Kaizen event and therefore may be included in that specialized class training.

Materials

Overhead projector
Slide Show Presentation
Takt time form
Calculators
Pencils
White Board/ Markers

Participants (6-8)

Manufacturing Engineer
Quality Engineer
Support staff (Administrative)
Scheduler
Manager/supervisor
Operators (optional)
Cross-functional team

Milestones

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

Use of Takt Time as a tool to determine if you will be able to produce at the rate the customer demands

Kaizen Event

Team leader uses Takt Time as a basis for making change in a given Kaizen event.

Monthly

Scheduler or Supervisor uses Takt Time calculation to determine line loading.