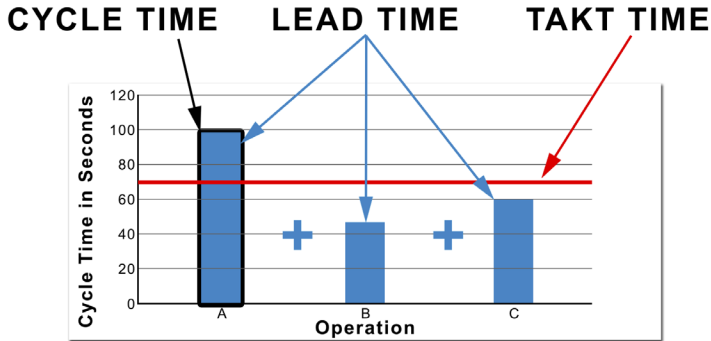


# CYCLE TIME

eLearning courses designed to increase productivity and profits



## Learning made Simple, Visual, and Interactive

The THORS *Cycle Time* course provides an overview of the various cycle time parameters applied in manufacturing excellence. Presented in our interactive Lightning Learning format, this course enables learners to understand the purpose of cycle time and the implementation steps required for continuous improvement.

Credit Hours **1**

## Learning Objectives

- Recall the importance of the cycle time metric in manufacturing excellence.
- Understand the basic principles of cycle time and Manufacturing Cycle Efficiency (MCE).
- Recognize the critical factors for implementing cycle time.

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### I. What Is Cycle Time?

- Cycle Time Overview
- The Importance of Cycle Time
- Critical Factors in Cycle Time

### II. How Is Cycle Time Calculated?

- Cycle Time Formula and Example 1
- Calculating Cycle Time Example 2
- Calculating Manufacturing Cycle Efficiency (MCE)

### III. How Is Cycle Time Implemented?

- Implementation Focus for Cycle Time
- Tools to Implement Cycle Time
- Steps to Implement Cycle Time

**CYCLE TIME OVERVIEW**

**CYCLE TIME** **LEAD TIME** **TAKT TIME**

You have arrived at a Learning Moment.

Objective 1: Identify the basic concepts of cycle time compared to other lean methods.

Start

Process Phases: Manufacturing, Shipping

of each in cycle, synchronized to meet the specific demand.

**Cycle Time =  $\frac{\text{Net Production Time}}{\text{Units Produced}}$**

**THE IMPORTANCE OF CYCLE TIME**

Like cycle time, Manufacturing Cycle Efficiency, **MCE** is a similar metric that focuses on the proportion of production time dedicated to activities that add value to the operation.