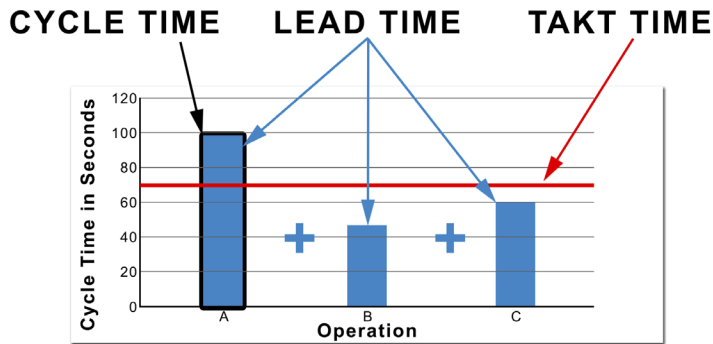


LEAD TIME

eLearning courses designed to increase productivity and profits



Learning made Simple, Visual, and Interactive

The THORS *Lead Time* course provides an overview of the lead time as a lean metric and its role in manufacturing excellence. Presented in our interactive Lightning Learning format, this course enables learners to understand the purpose of lead time and the improvement options required for continuous improvement.

Credit Hours **1**

Learning Objectives

- Identify the fundamental concepts of lead time and how it compares to other lean metrics.
- Understand the importance of lead time in achieving manufacturing excellence.
- Recall the critical factors influencing lead time and their role in manufacturing excellence.

Table of Contents

I. What Is Lead Time?

- Lead Time Overview
- The Importance of Lead Time
- Factors Affecting Lead Time

II. How Is Lead Time Calculated?

- Lead Time Formula
- Calculating Lead Time Example 1
- Calculating Lead Time Example 2

III. How Is Lead Time Improved?

- Understanding Types of Lead Time
- Tools to Implement Lead Time
- Options to Improve Lead Time

LEAD TIME OVERVIEW

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

You have arrived at a Learning Moment.

Objective 1: Match each description to the corresponding lean metric.

Start

Process Phases: Manufacturing, Shipping

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

Lead Time = Pre-Processing Time + Processing Time + Post-Processing Time

Pre-Processing Time	Processing Time	Post-Processing Time
Order Received	Manufacturing	Packaging and Shipping
Order Processing Holding Periods	Raw Material Inspection Machine Setup Part Manufacturing Final Inspection	Product Delivery
Purchasing Process		Order / Work Delivered

TOOLS TO IMPLEMENT LEAD TIME

Inventory management systems, such as **Vendor-Managed Inventory, or VMI**, will automatically replenish stock items based on the needs and requirements of the manufacturer.

VMI

VENDOR MANAGED INVENTORY