



# Exploring Lean Manufacturing Basics

3-Hour Program

This 3-hour introductory training provides participants with a foundational understanding of Lean Manufacturing. Participants will explore the basic concepts behind Lean thinking and how it supports efficiency, teamwork, and continuous improvement in a manufacturing environment. The course is designed to help employees become familiar with the key principles, terminology, and workplace practices that are part of a Lean culture. No prior Lean experience is needed, just curiosity and a willingness to learn how your role fits into the bigger picture of improving processes and reducing waste.

## Learning Objectives:

- Recognize the basic principles of Lean Manufacturing and describe how they support an efficient and productive workplace.
- Discover the importance of minimizing waste and being mindful of how everyday actions impact workflow and efficiency.
- Understand common Lean concepts and terminology used in manufacturing environments.

## Course Outline:

- Introduction to Lean Manufacturing
  - Definition, origin and impact
  - Continuous Improvement: Kaizen and Kata
- Principles of Lean Manufacturing
  - Understanding value from the customer's perspective
  - Systems and process thinking
  - Improving Flow
  - Eliminating Waste
- Lean Tools and Techniques
  - Lean Production
    - Improving Workflow
    - Mapping Processes
  - Reducing Waste
    - The 8 Wastes of Lean
    - Organization of Work and Workstations
  - Identifying and Solving Problems
    - Root Cause Analysis
    - Plan-Do-Check-Act Cycle
    - 5 Whys
- Definitions of Common Lean Terms
- Q&A and Wrap-up