

# Introduction to Lean Manufacturing | Interactive eLearning

Introduction to Lean Manufacturing - WXML101-XX01XEN-E2

Objective 6: Describe Methods of JIT Production

JIT Production

Just-in-time production is a **manufacturing** approach that seeks to reduce the amount of **inventory** needed to operate the business.

JIT systems control the flow of material so each step in the production process produces material just as the next step needs it. JIT reduces three wastes: excess inventory, waiting, and transportation.

To create a JIT process, companies move from a traditional push system of controlling inventory to a pull system.



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## eLearning Course: MXLM101

This Lean Manufacturing eLearning course (MXLM101) provides a solid in-depth introduction for creating a Lean culture in a traditional manufacturing environment. This course begins by exploring the challenges faced by traditional companies and their production methods and compares them to the characteristics of a company that practices Lean culture. This Lean Manufacturing online course continues by describing the principles at the heart of a Lean system, defines waste as a concept within Lean philosophy, explains what qualifies an activity as value added in a Lean system, and identifies the 8 deadly wastes to a Lean company. The Lean Manufacturing course concludes by explaining the concepts that must be ingrained into a company culture before Lean methods are implemented.

## Teach Lean Manufacturing Skills

### Essential Lean Manufacturing Principles Knowledge Connected to Real-World Skills

Amatrol's eLearning curriculum is unique in that it thoughtfully combines in-depth theoretical knowledge with practical, hands-on skills. This powerful combination of knowledge and skills solidifies understanding and creates a strong foundation for pursuing more advanced skills.

For example, the Introduction to Lean Manufacturing eLearning course discusses important topics, such as: value-added and non-value-added activities, eight deadly wastes, core elements of lean manufacturing, standardization methods, Just-In-Time / JIT production methods, Jidoka methods, characteristics of a lean culture, and lean methods of continuous improvement.

## Highly-Interactive Multimedia

### Highly-Interactive Multimedia Format Appeals to All Learning Styles

Amatrol's Lean Manufacturing [eLearning course curriculum](#) features a highly-interactive multimedia format. Stunning 3D animations, videos, pictures, voiceovers of all text, and interactive quizzes and exercises bring learning to life. Amatrol's multimedia curriculum contains elements that will appeal to every learning style, keeping learners motivated and engaged.

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