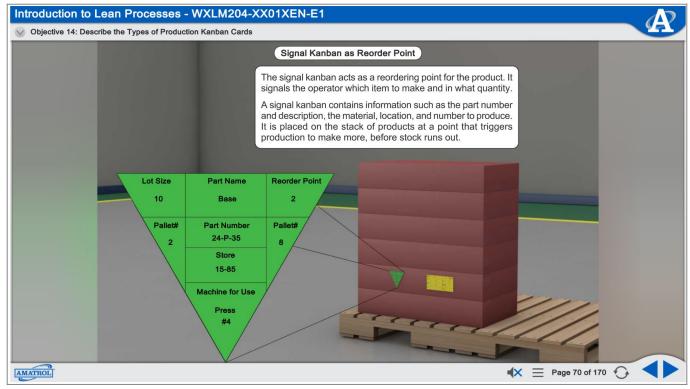
# Lean Process Flow | Interactive eLearning



eLearning Course: MXLM204

Amatrol's Lean Manufacturing Process Flow online training course (MXLM204) covers Lean Production, Little's Law, maximizing resources and reducing wasteful activities, Kanban System types and operation, the purpose of inventory in a Kanban System, Lean Production scheduling, flow production, and cellular manufacturing.

#### Teach Lean Manufacturing Skills

### **Essential 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 Lean Process Flow eLearning course covers important topics, such as:

#### **Lean Production and Little's Law**

This segment covers an array of foundational Lean Manufacturing concepts and their importance. Subjects include: Lean Production (Just-In-Time), Lead Time, Throughput, Process Cycle Time, Work-In-Process Inventory, and Little's Law.

#### **Maximizing Resources and Reducing Wasteful Activities**

This segment deals with push and pull production systems, types of manufacturing operations, takt time, production capacity, and elements of a Lean Production System.

## **Types of Kanban Systems and Their Operation**

This segment discusses the functions and types of a Kanban System, Transport Kanban Cards, and Production Kanban Cards. Students will then study the operation of Kanban Systems with production ordering and signal cards.

#### **Purpose of Inventory in a Kanban System**

This segment covers replenishment interval; uses of cycle stocks, safety stocks, and buffer stocks in a Lean System; determining the number of required Kanbans; supermarket operation in a Lean System; point-of-use storage methods; and Kanban system operation rules.

#### **Lean Production Scheduling**

This segment deals with Lean Production scheduling methods, Heijunka, calculating pitch, pack-out quantity, and creating and using production sequence tables and Heijunka boxes.

### Flow Production and Cellular Manufacturing

This segment covers flow production, line balancing, analyzing operator balance charts, cellular manufacturing, and how to balance production.

# **Highly-Interactive Multimedia**

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

Amatrol's <u>eLearning curriculum</u> 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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