

# Overview

- What is Lean Manufacturing?
- Principles of Lean transformation
  - Summary

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# What is Lean Manufacturing?

## Definintion:

Lean Manufacturing is the production control technique for eliminating the waste from your manufacturing while delivering quality products on time at least cost with greater efficiency.

The core idea is to maximize customer value while minimizing waste. Simply, lean means creating more value for customers with fewer resources.

# What is Lean Manufacturing?

## Creation of Lean:

It is a production system characterized by smaller batches, quick responses to customer demand, and smooth product flow.

Lean manufacturing is a management philosophy derived mostly from the Toyota Production System (TPS) (hence the term Toyotism is also prevalent) and identified as "Lean" only in the 1990s.

# What is Lean Manufacturing?

## Advantages:

- Higher Quality production
- Reach customer satisfaction.
- Maximum utilization of resources
- Minimization of waste.
- Shorten lead times.
- Identify problems and communication between operation

# Principles to Lean Transformation

1. Deliver Value From your Customer's Perspective
2. Eliminate Waste
3. Continuous Process Improvement

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# 1. Deliver Value From your Customer's Perspective

## Pull Systems

A pull system regulates the flow of resources in a manufacturing process. As a result, your business becomes increasingly lean, eliminating excess inventories of raw materials, work in process, and finished goods.

Customer orders drive production schedules based on actual demand and consumption rather than forecasting.

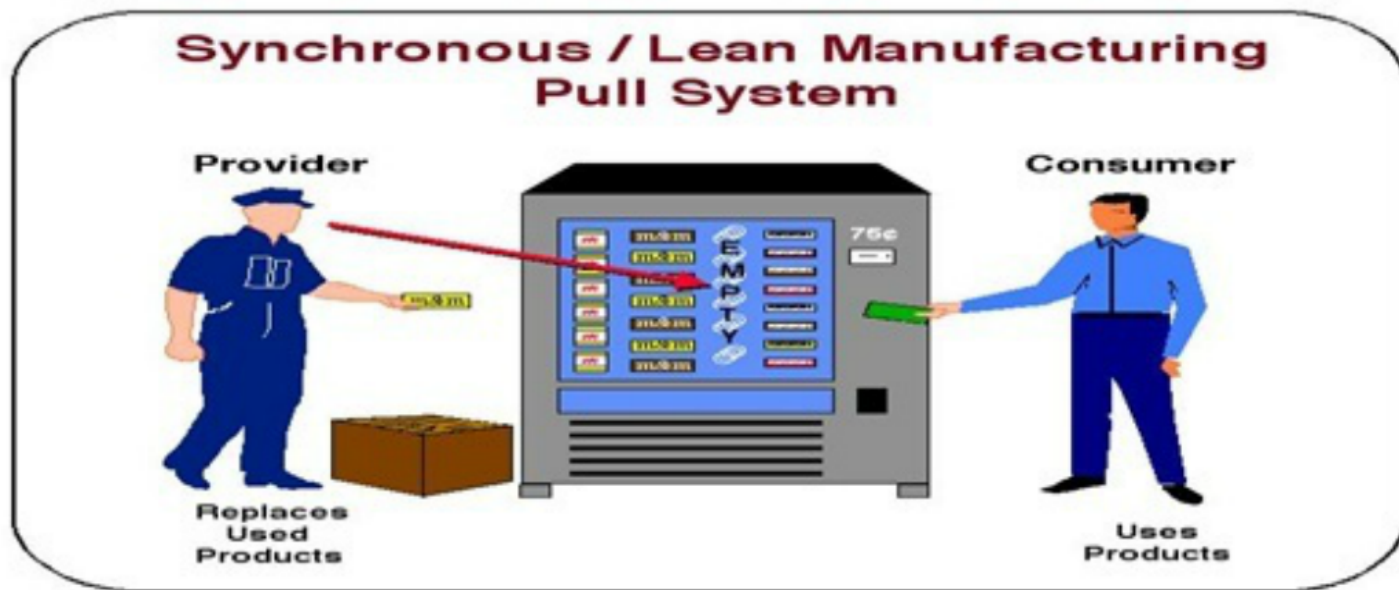
A pull system has the following advantages:

- Minimization of waste and obsolete stock.
- Flexibility to deliver customer demands quicker.
- Reduction in the need of working capital in a business.





# Pull Systems



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