

Lean Manufacturing for Job Shops Course Objectives

Unit 1 | Adapting Lean to Job Shops

- Realize that Lean approaches can be modified and adapted to deal with Job Shop Realities.
- Define key Lean manufacturing terms.
- Describe vital Lean tools.
- Be familiar with additive Lean techniques.
- Identify the Seven Wastes and briefly describe how each of the Seven Wastes detracts from the value of a process' output
- Uncover patterns of how the effects of Job Shop Realities lead to Waste.
- Understand that Lean practices can be adapted to a Job Shop environment by developing a compelling Message, building Momentum and making structural changes (the Means.)
- Become aware that the Means can be a combination of the 5S's, Set-up Reduction, Workflow/Layout adjustments, TPM and Visual Workplace practices.

Unit 2 | Lean Job Shop Practices

- Become familiar with how a three-phased approach (Message, Momentum and Means) can be used to adapt Lean practices and understand how the "Means" represent a series of interdependent action plans.
- Identify what each of the 5S's stands for and how it helps an organization reduce waste.
- Identify the key components of set-up reduction and explain the role each plays in reducing set-up time.
- Understand the linkage between layouts and workflows and know how to adjust layouts to make workflows more effective.
- Know the difference between Corrective Maintenance, Preventive Maintenance (PM) and Predictive Maintenance (PdM) and how to incorporate appropriate maintenance practices to improve equipment reliability.
- Appreciate how powerful visual aids, supports and alerts can be incorporated to make it easier to do things the right way and reduce waste.
- Be able to use measures to track and evaluate Lean Job Shop action plans.