



Five Module Lean Manufacturing Workshop: *Have your staff quickly applying Lean in this condensed version!*

Focused on middle level management and production staff, this condensed workshop will quickly bring your staff on board to the principles of Lean manufacturing and have them implementing Lean principles in their area. Presented at your business through a series of five modules delivered once every two weeks.

Module 1: Introduction to Lean Manufacturing Systems

Module 2: Value Stream Mapping, and Simulation

Module 3: The 7 Deadly Wastes plus One, 5S, and Visual Factory

Module 4: Setup Reduction, Quality at the Source, and Design for Manufacturing

Module 5: Pull System, Kanban, Level Scheduling, Managing the Supply Chain, and Project Presentations

Kaizen Events: *Develop the buy-in!*

Kaizen events are an extremely efficient way to quickly improve a process with maximum results in a short time period – usually three days. Attended by the owners and operators of a process, the true intent of a Kaizen event is to hold small events that make improvements to that process which are within the scope of the process participants. Such events rapidly implement workcells, improve setups or streamline processes.

Kaizen Events are commonly referred to as a tool that:

- Can be used as an incremental improvement method on specific processes
- Helps value stream map the existing process
- Improves on the existing process
- Solicits buy-in from all parties related to the process

For further information, please contact:

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Lean Manufacturing for the Wood Products Industry

Designed to Fit Your Needs

Are you interested in maximizing productivity, increasing product quality and improving profitability?

Would you like to understand how Lean manufacturing principles can assist you in maximizing the utilization of your most important resource, your staff?

Would you like to be better informed on the fundamentals of Lean manufacturing in order to respond quicker to changes in your market?

Discover how Lean manufacturing can help all of your wood manufacturing business processes.

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The Lean approach is the most comprehensive business management improvement initiative because it simultaneously addresses customers, products, processes, and human-related issues in the production system. A unique series of workshops have been developed exclusively for the wood products industry. Participants will learn:

- The key Lean manufacturing principles and practical ways to implement them in their organization
- How to eliminate the different types of waste in their operation
- Kaizen, 5S and other Lean manufacturing tools to guide improvement efforts
- How to adapt Lean tools into your business processes immediately
- Lean manufacturing operational metrics that all employees can use to measure success in the plant.



Companies that have taken advantage of the series have said:

"I believe that the Lego plane exercise solidified all that was spoken in the presentation and really helped me see the drastic difference the Lean workflow makes."

Katie McIlveen, Live Edge Design Duncan, BC

"This course is a MUST for any company running under 100%."

Kelly Higginbottom, Lynn Donaldson & Associates Calgary, AB

"Our implementation of Lean manufacturing will give us the opportunity to grow. We have reduced our material usage, work in progress and improved our material handling."

Ken Kowalchuk, Cabtec Mfg Inc. Regina, SK

Companies implementing Lean as a system have seen benefits in:

- Decreased lead times
- Increased floor space
- Improved company culture & communication
- Improved margins
- Improved inventory management
- Less employee turn over

Want to Get Started?

One Day Introductory Workshop: Get a taste of what Lean can do for your business!

Find out why Lean manufacturing is so successful and how its application in industry has enhanced productivity, improved quality and increased profits. Learn how the tools are applied through a hands-on simulation exercise.

In-house Lean Assessment: Want to know where you stand?

Benchmark your company against others with an assessment that gives you a guide to focus your future Lean implementation plans.

By examining your current practices relative to 18 Lean principles, a current state map is created that helps focus your company in furthering its Lean journey.

The assessment is designed to create workplace understanding through awareness of specific concepts and techniques and progressively move you forward with Lean implementation.



Eight Module Lean Manufacturing Workshop: Change the culture!

Designed for upper management who want to drive their Lean implementation forward. This hands-on workshop will start the culture change required for further Lean success. Participants learn the principles of Lean and begin implementing them on selected projects. Presented through a series of eight modules delivered once every two weeks.

Module 1: Introduction to Lean Manufacturing Systems

Many think that Lean means a reduction of the work force, but Lean really means how to utilize your work force so you get even more done. In the first module, participants will learn the benefits of Lean production.

Module 2: Value Stream Mapping

The "Value Stream" describes those steps that include the arrival of the material through the production process, to shipping, and to receiving feedback from customers. Mapping this process is key to analyzing and then refining each step to take full advantage of the Lean concepts.

Module 3: Simulation

One of the many misconceptions about Lean manufacturing is that it is only a just-in-time (JIT) process. However, this is only one of the tools that can be utilized. Using simulation demonstrates the true benefits of Lean.

Module 4: The 7 Deadly Wastes plus One

Waste occurs in most manufacturing processes. In this module, participants will learn to distinguish necessary and unnecessary activities and identify strategies for improvement.

Module 5: 5S, and Visual Factory

The 5S system provides a foundation that allows a manufacturer to deliver high quality products in the right quantity at the right time to satisfy customer needs.

Module 6: Setup Reduction, Quality at the Source, and Design for Manufacturing

Many companies believe that their set-up times are OK when, in fact, they really don't know how long they take. Studies have shown that implementing Lean practices has reduced changeover time by as much as 50 to 90%. Techniques to analyze and then plan corrective actions will be presented to participants.

Module 7: Pull System, Kanban, Level Scheduling, Managing the Supply Chain and Six Sigma

Pull Systems and Kanban are techniques successful companies use to keep inventory costs low and reduce the unnecessary expense of defects. Including your planning, production, maintenance, and quality assurance staff is the key to successfully implementing these systems.

Module 8: Company Presentations and Summary

Participants will share their experiences with implementing the Lean manufacturing principles, and present the impacts they have had in their plant.

