

## Who should attend?

All employees involved in a Continuous Improvement environment, whether actually involved in production or in an administrative support role.

## Lean Benefits

"I highly recommend this training to any individuals interested in or required to gain Lean expertise within their organization."

"The key benefits were as follows:

- Informative background on the concepts and history of Lean.
- Hands-on participation increased absorption of Lean techniques.
- Needing to think "outside-the-box" made the training interesting and reinforced concepts.
- Highly knowledgeable, hands-on training."

Sandra Keyton  
Director, Human Resources

"The principles the employees learn while performing the "nut and bolt" exercise can directly influence the way they see their own work station, opening their eyes to wastes and inefficient processes. This workshop raises morale and is also great for team building."

Kyle Mattice  
Continuous Improvement Coordinator

## In-House Training at FormaShape:

**Hands-on, Comprehensive Lean Training**

**State-of-the-Art, Fully furnished,  
Multi-Functional Training Facility**

**Certified Lean Training Instructors**

**OLEC member pricing per person: \$150.00**

**CME member pricing per person: \$200.00**

**Non-Member pricing per person: \$300.00**



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## Lean 101: Duration 8 hrs

This workshop allows participants to experience traditional and Lean manufacturing concepts first hand. Participants re-create the dynamics of a factory and use Continuous Improvement techniques to increase quality and productivity to meet customer demand using single piece flow.

### Understand the Principles of Lean Manufacturing



Lean Results:	
On Time Deliveries	X
High Inventory Turnover	X
Increased Productivity	X
Higher Throughputs	X
Equipment Reliability	X
Standardized Work	X
Increased Cash Flow	X
Customer Success	X

### Lean 101 Demonstrates Visible Manufacturing Improvements and Overall Increases in Profit

Sales Credit	10000	10000	10000	10000	
	W1	W2	W3	W4	
<b>Prime Costs</b>					
materials	400@10	4000	4000	4000	4000
DL	@250/person	1000	1000	1000	1000
<b>Semi-Variable Costs</b>					
OT (#min)x(#people)x\$75x4			4500	0	0
indirect labor		1500	1500	1500	750
Scrap	40	40	40	40	
FG Scrap/Rework		3600	3000	0	0
Benefits	1250	1250	1250	1250	
Utilities	500	500	500	500	
Process Materials	90	90	90	90	90
Changeovers	160	80	80	80	80
<b>Margin (sales-pc-semi-variable)</b>			<b>-6640</b>	<b>-1460</b>	<b>1540</b>
2290					
<b>Manufacturing OH</b>					
Building A	1200	1200	1200	1200	
Distribution Centre		400	400	400	0
Equipment	600	600	600	600	
Conveyance Equip		50	50	50	50
Inter-plant Truck		100	100	100	0
Short Ship	2000	0	0	0	
<b>Gross Profit</b>	<b>-10990</b>	<b>-3810</b>	<b>-810</b>	<b>440</b>	
Interest Expense FG		9	9	9	9
Interest Expense WIP		42	34	12	11
<b>Net Profit</b>	<b>-11041</b>	<b>-3853</b>	<b>-831</b>	<b>420</b>	
Employee Profits (40%profit/# empl)		0.00	0.00	0.00	28.00

## I Q C D S M

### Innovation, Quality, Cost, Delivery, Safety, Morale

This simulation is extremely effective in educating all levels of an organization and ties Lean principles into monthly financial statements. It is a very powerful tool that the Chief Financial Officer of any organization will be keen to endorse!

### Key take-aways:

- Problem solving
- Reduction of waste
- Reduction of defects
- Improved production throughput
- Equipment reliability
- Level production
- Job Instruction Training (JIT)
- Lean metrics
- Identifying 8 forms of waste

