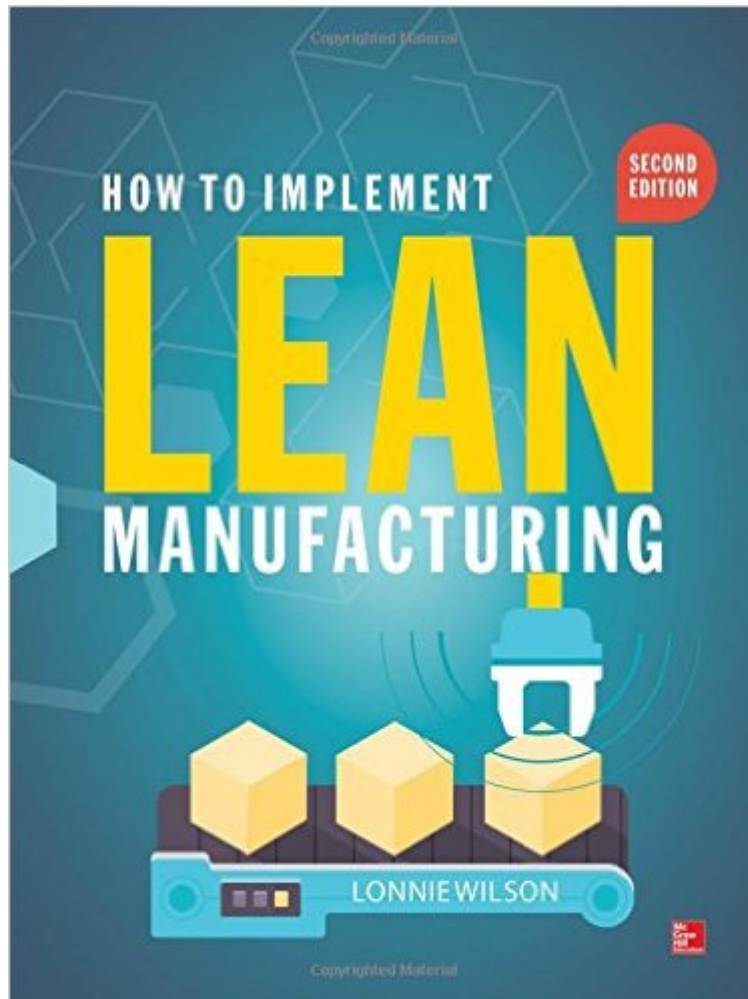# How To Implement Lean Manufacturing, Second Edition

Synopsis

Cutting-edge Lean manufacturing strategies Thoroughly updated with the latest trends and new global case studies, How to Implement Lean Manufacturing, Second Edition, explains how to implement this powerful formula for eliminating waste, controlling quality and inventory, and improving overall performance across an enterprise environment. The book addresses the engineering and production aspects as well as the business culture challenges. This practical guide describes the Toyota Production System (TPS) and specifies the distinct order in which Lean techniques should be applied to achieve maximum gains. By using the proven methods in this definitive resource, you can implement a successful Lean transformation in your organization. Find how to: Create and deploy enterprise-wide strategies and goals Improve speed and quality and dramatically lower costs Reduce variation in the manufacturing system in order to reduce inventory Reduce lead times to improve responsiveness and flexibility Sustain process gains Perform system-wide value-stream evaluations Manage constraints and reduce bottlenecks Implement cellular manufacturing New material in the Second Edition reveals how to: Avoid the typical management pitfalls and implementation errors that virtually guarantee a Lean transformation will fail Implement the new skills of Lean leadership, including its six key elements Shape and manage your culture using the five cultural change leading indicators

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Customer Reviews

If you have read "LEAN THINKING" by James P Womack and Daniel T. Jones, you may have been left wondering what Lean Manufacturing and the Toyota Production System was all about. It may have seemed mysterious and not well defined. Lonnie Wilson's "HOW TO IMPLEMENT LEAN MANUFACTURING" is a guidebook to Lean Manufacturing that will take the mystery out of process for you. It is a practical HOW-TO guide that can be used by plant managers, executives, quality managers and production personnel to implement the Lean Systems within their facilities.This book not only addresses the strategy on how to implement Lean Manufacturing but also addresses cultural change necessary for a successful transformation. In the end you have to sustain the gain and the book tells you what is necessary.What makes this book standout from other Lean texts is that the book itself is written in a Lean style of writing. Lonnie uses "Points of Clarity" to highlight important concepts within the book. Additionally he uses hundreds of visual graphics and tables that draw the reader's attention. Visual clues and organization is a key concept in Lean. I don't think you can turn two or more pages without being grabbed by a new visual to help make a point in the book.I was impressed with the level of practical detail. Need to calculate OEE or the proper KANBAN size? Does Value Stream Mapping have you confused? The book provides the formula's necessary. It places these concepts in context to the big picture of efficiency, lead-time or cycle-time reduction. The book is filled with personal examples from Lonnie Wilson's career leading transformation efforts. Case studies are also given to drive home and follow the complete process of a successful Lean project and some that are not so successful.

Lonnie Wilson teaches you how to implement the best aspects of lean manufacturing without having to implement the cultural aspects of the Toyota Production System. He believes that cultural transformation, while a benefit if you can pull it off, keeps you from realizing he benefits of Lean quickly, is risky, and adds cost to your Lean project.Chapter 1 explains his views along these lines and Chapter 2 is a look at Toyota's System and why you need a manufacturing system that focuses on behavior more than culture. Chapter 3 shows you why variation gets in the way of your manufacturing goals and how inventory masks and is the result of variation. You want to eliminate inventory and you have to eliminate variation in order to eliminate the need for inventory. Chapter 5 shows you why Lead Time exists and how you can reduce it.Chapter 6 discuses the basics of Cultural Change and how need to start thinking about Lean and your manufacturing culture. Chapter 7 looks at strategic approaches you can take to becoming a Lean Manufacturing environment and shows you what Takt is and how to use it. You also get a look at what a basic time study is and how to conduct a balancing study. Spaghetti Diagrams and Value Stream Mapping are also

discussed.Chapter 8 takes you through a Lean implementation process while chapter 9 looks at how to do Lean planning and how to set appropriate and achievable goals. Chapter 10 shows you how to maintain the gains you worked so hard to make and chapter 11 looks at the effect of your culture on Lean and how to think about what you can do with your own.Chapters 12 and 13 deal with managing your constraints and the benefits you can realize by using cellular manufacturing.

LEAN: Lean Tools - 5S (Lean, Lean Manufacturing, Lean Six Sigma, Lean 5S, Lean StartUp, Lean Enterprise) (LEAN BIBLE Book 3) LEAN: Lean Bible - Six Sigma & 5S - 3 Manuscripts + 1 BONUS BOOK (Lean Thinking, Lean Production, Lean Manufacturing, Lean Startup, Kaizen) Lean: QuickStart Guide - The Simplified Beginner's Guide To Lean (Lean, Lean Manufacturing, Lean Six Sigma, Lean Enterprise) Lean Six Sigma: and Lean QuickStart Guides - Lean Six Sigma QuickStart Guide and Lean QuickStart Guide (Lean Six Sigma For Service, Lean Manufacturing) How To Implement Lean Manufacturing, Second Edition How To Implement Lean Manufacturing A Lean Guide to Transforming Healthcare: How to Implement Lean Principles in Hospitals, Medical Offices, Clinics, and Other Healthcare Organizations "Faster, Better, Cheaper" in the History of Manufacturing: From the Stone Age to Lean Manufacturing and Beyond The Lean Design Guidebook: Everything Your Product Development Team Needs to Slash Manufacturing Cost (The Lean Guidebook Series) Going Lean: How the Best Companies Apply Lean Manufacturing Principles Product Development for the Lean Enterprise: Why Toyota's System is Four Times More Productive and How You Can Implement It Lean Manufacturing for the Small Shop, Second Edition The 12 Principles of Manufacturing Excellence: A Lean Leader's Guide to Achieving and Sustaining Excellence, Second Edition Lean Six Sigma: The Ultimate Guide To Lean Six Sigma With Tools For Improving Quality And Speed! (Lean, Six Sigma, Quality Control) Lean Six Sigma: Value Stream Mapping: Simplified Beginner's Guide to Eliminating Waste and Adding Value with Lean (Lean, Six Sigma, Quick Start Beginner's Guide, Quality Control) Re-Engineering the Manufacturing System: Applying The Theory of Constraints (Manufacturing Engineering and Materials Processing Series, Vol. 47) Practical Lean Accounting: A Proven System for Measuring and Managing the Lean Enterprise, Second Edition Lean Manufacturing En Español: Cómo eliminar desperdicios e incrementar ganancias (Spanish Edition) El gran libro de los procesos esbeltos; Los principios actuales de LEAN MANUFACTURING aplicados sin igual.: Aquí encontrarás los principios ... y oficinas de manera única. (Spanish Edition) Motion and Time Study for Lean Manufacturing (3rd Edition)