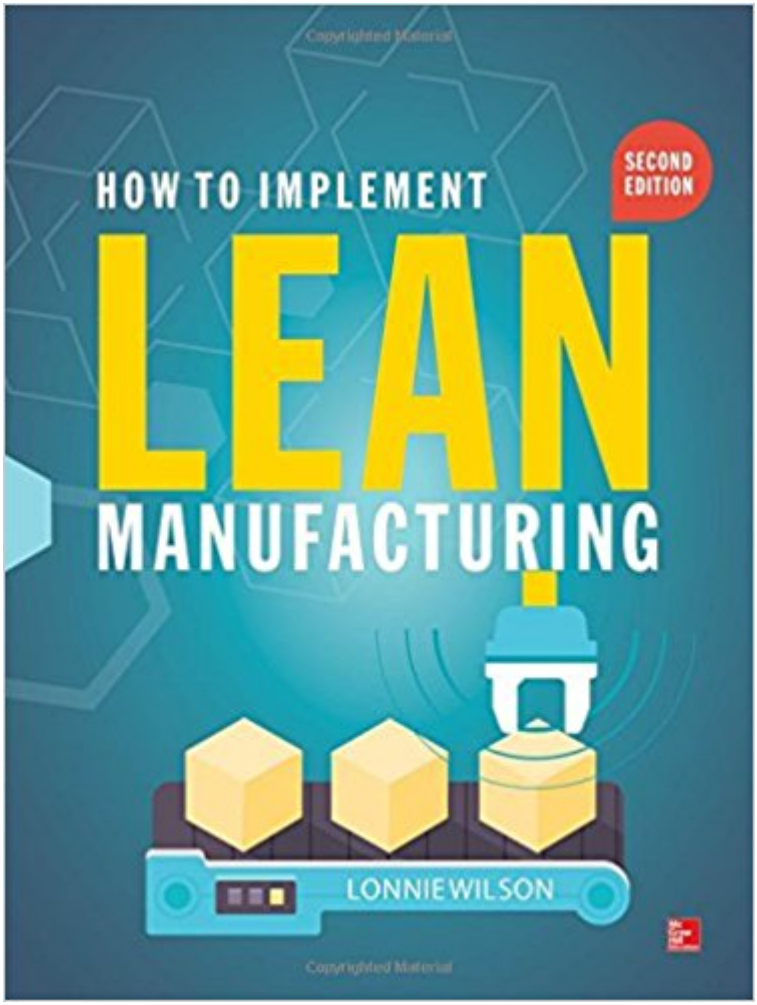
How To Implement Lean Manufacturing, Second Edition (Mechanical Engineering)



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

Book Information

Series: Mechanical Engineering

Hardcover: 448 pages

Publisher: McGraw-Hill Education; 2 edition (March 17, 2015)

Language: English

ISBN-10: 0071835733

ISBN-13: 978-0071835732

Product Dimensions: 8.4 x 1.2 x 9.4 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars 34 customer reviews

Best Sellers Rank: #310,742 in Books (See Top 100 in Books) #37 inÃ Â Books > Business & Money > Management & Leadership > Quality Control & Management > Lean #98 inÃ Â Books > Business & Money > Industries > Manufacturing #107 inÃ Â Books > Business & Money > Industries > Industrial Relations

Customer Reviews

Lonnie Wilson, a Certified Six Sigma Master Black Belt and Six Sigma trainer, has 20 years of experience in manufacturing management with an international oil company. In 1990, he started Quality Consultants which serves small firms and Fortune 500 companies in both the U.S. and Mexico. Mr. Wilson has taught for the El Paso Community College and the University of Texas at El Paso and is an active Senior Member of the American Society for Quality Control.

I recently purchased and read this splendid book - finding it very useful on a number of levels: Firstly, it provides a comprehensive introduction to Lean philosophy and systems. Secondly, it excellently demonstrates Lean's usefulness through the case studies it presents. Finally, it is a great guide on the path to Lean implementation, taking care also to emphasize what needs to be in place before embarking on this process - and not least in which domains Lean principles can be successfully applied, and where they cannot.In short it combines all the relevant aspects of Lean in one concise volume, which is very well written: succinct, matter of fact, clear, direct, and to the point. This is truly a "how to" book that will of great value to you if you are about to set sail on a Lean journey - taking you there one step at a time.I would certainly recommend it to anyone with an interest in Lean; whether you want to learn about Lean philosophy, concepts and tools, or you're looking for examples of the applicability and capability of Lean initiatives, or if you'd like knowledge about the prerequisites and potential pitfalls of Lean implementation.Even seasoned practitioners of Lean may have something to learn from the straightforward and easy-to-understand way in which the entire concept is presented. This is something which can surely be of value when introducing the subject to new initiates.

I have used the 1st edition as the guide to making our transformation into Lean Manufacturing since 2010. LonnieÃƒÂ¢Ã â ¬Ã â„¢s 2nd Edition expands nicely on every step to Implementation. With real life examples Lonnie provides the clarity everyone can use to guide them on a step by step process to the Cultural Changes that, if followed, will set them up for success.

Having read the "Lean Manufacturing in the Oil Refinery" by Lonnie Wilson and Jason Farley, the article published by BridgeGap Consulting Syndicate in June 2010, it was clear that this book (referenced in the above article) could be able to provide deeper insight into corporate transformation process applicable in this traditionally CAPEX-orientated environment. The applicability of Lean philosophy to continuous industrial processes (as opposed to discrete ones) has been disputed and doubted by oil and gas industry professionals - Lonnie Wilson shows and

proves that there is no rational reason for that. I needed this solid footing in pursuing Lean initiatives in oil refinery and this book excellently serves this purpose.

Lonnie Wilson has done a surpurb job of taking the very broad subject of Lean Manufacturing and in twenty chapters provided not only the what but the how too of Lean Manufacturing along with pitfalls to avoid. I really enjoyed the three chapters of case studies that bring home the points of the book. This book is not only a great read for the newly initiated practitioners of Lean but also for those already involved in the daily implementations.If your wondering if your company is ready to move down the Lean path, Lonnie's Five Tests of Management Commitment to Lean Manufacturing, The Ten Most Common Reasons Lean Initiatives Fail, and The Five Precursors to Implementing a Lean Initiative will certainly provide insight as to what needs to be done before you head down the path. Lonnie this is a great read and I hope it is not your last.Thom LongcoreSr. Productivity ManagerWoodbridge Foam Corp.

I can deeply recommend this incredible book. It provides deep, wise, unique inside supported by years of experience and valuable examples that will help you to better understand principles of Lean Manufacturing. The most precious attribute of this book is its practicality, that will immediately benefit your journey by shedding some light on elements previously difficult to understand or apply. It is definitely one of the best books about Lean that you can currently purchase on .How To Implement Lean Manufacturing

I found this book to be highly educational and interesting. It is different from most Lean books that I have seen because it is more hands on and practical.Lonnie not only explains the principles of implementing Lean, he actually shows you how they work using real life examples. He used illustrations that explain all of the potential roadblocks to becoming lean. He also explains how he dealt with those roadblocks.I would recommend this book to anyone that is interested in learning how to implement Lean manufacturing.

very good

This book provides good introduction to lean and TPS system. It contains some good practical examples how the lean are implemented with clear calculation of use of the lean tools.

How To Implement Lean Manufacturing, Second Edition (Mechanical Engineering) Going Lean: How the Best Companies Apply Lean Manufacturing Principles Intermittent Fasting: Everything You Need to Know About Intermittent Fasting For Beginner to Expert Ã¢â ¬â œ Build Lean Muscle and Change Your Life (Lean Lifestyle, Lean Muscle, Lose Fat) Soap and Cosmetic Packaging & Labeling Rules and Regulations Handbook: How to Implement Good Manufacturing Practices Shigley's Mechanical Engineering Design (McGraw-Hill Series in Mechanical Engineering) Code Check Plumbing & Mechanical 4th Edition: An Illustrated Guide to the Plumbing and Mechanical Codes (Code Check Plumbing & Mechanical: An Illustrated Guide) Manufacturing Planning and Control for Supply Chain Management (Mechanical Engineering) Lean Supply Chain and Logistics Management (Mechanical Engineering) Geotechnical Earthquake Engineering, Second Edition (Mechanical Engineering) Wind Energy Engineering, Second Edition (Mechanical Engineering) Supply Chain Management in Manufacturing + Inventory Control in Manufacturing: 2 Books in 1 ISO 22716:2007, Cosmetics - Good Manufacturing Practices (GMP) - Guidelines on Good Manufacturing Practices Additive Manufacturing Technologies: 3D Printing, Rapid Prototyping, and Direct Digital Manufacturing Practice Problems for the Mechanical Engineering PE Exam, 13th Ed (Comprehensive Practice for the Mechanical Pe Exam) The Mechanical Design Process (Mcgraw-Hill Series in Mechanical Engineering) Geometric Dimensioning and Tolerancing for Mechanical Design 2/E (Mechanical Engineering) The Mechanical Design Process (Mechanical Engineering) Motion and Time Study for Lean Manufacturing (3rd Edition) Best Practices in Midwifery, Second Edition: Using the Evidence to Implement Change The Lean Manufacturing Pocket Handbook