

Download File PDF The Machine That Changed The World The Story Of Lean Production Toyotas Secret Weapon In The Global Car Wars That Is Now Revolutionizing World Industry

being conferred to frontline workers and suppliers. Based on three decades of teaching experience, *Lean Production for a Competitive Advantage: A Comprehensive Guide to Lean Methodologies and Management Practices* introduces the Lean philosophy and illustrates the effective application of Lean tools with real-world case studies. From fundamental concepts to integrated planning and control in pull production and the supply chain, the text provides a complete introduction to Lean production. Coverage includes small batch production, setup reduction, pull production, preventive maintenance, standard operations, as well as synchronizing and scheduling lean operations. Detailing the key principles and practices of Lean production, the text also: Illustrates effective implementation techniques with case studies from a range of industries Includes questions and completed problems in each chapter Explains how to effectively partner with suppliers and employees to accomplish productivity goals Designed for students who have a basic foundation in production and operations management, the text provides a thorough understanding of the fundamental principles of Lean. It also offers practical know-how for implementing a culture of continuous improvement on the shop floor or in the office, creating a heightened sense of responsibility and pride in all stakeholders involved, and enhancing productivity and efficiency to improve the bottom line. Instructor's material available – please contact: orders@taylorandfrancis.com or call 1-800-634-7064 to request these materials.

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Winner Of The 2007 Shingo Prize For Excellence In Manufacturing Research! Lean production, which has radically benefited traditional manufacturing, can greatly improve the software industry with similar methods and results. This transformation is possible because the same overarching principles that apply in other industries work equally well in software development. The software industry follows the same industrial concepts of production as those applied in manufacturing; however, the software industry perceives itself as being fundamentally different and has largely ignored what other industries have gained through the application of lean techniques. *Lean Software Strategies: Proven Techniques for Managers and Developers*, shows how the most advanced concepts of lean production can be applied to software development and how current software development practices are inadequate. Written for software engineers, developers, and leaders who need help creating lean software processes and executing genuinely lean projects, this book draws on the personal experiences of the two authors as well as research on various software companies applying lean production to software development programs.

Expanded, updated, and more relevant than ever, this bestselling business classic by two internationally renowned management analysts describes a business system for the twenty-first century that supersedes the mass production system of Ford, the financial control system of Sloan, and the strategic system of Welch and GE. It is based on the Toyota (lean) model, which combines operational excellence with value-based strategies to produce steady growth through a wide range of economic conditions. In contrast with the crash-and-burn performance of companies trumpeted by business gurus in the 1990s, the firms profiled in *Lean Thinking* -- from tiny Lantech to midsized Wiremold to niche producer Porsche to gigantic Pratt & Whitney -- have kept on keeping on, largely unnoticed, along a steady upward path through the market turbulence and crushed dreams of the early twenty-first century. Meanwhile, the leader in lean thinking -- Toyota -- has set its sights on leadership of the global motor vehicle industry in this decade. Instead of constantly reinventing business models, lean thinkers go back to basics by asking what the customer really perceives as value. (It's often not at all what existing organizations and assets would suggest.) The next step is to line up value-creating activities for a specific product along a value stream while eliminating activities (usually the majority) that don't add value. Then the lean thinker creates a flow condition in which the design and the product advance smoothly and rapidly at the pull of the customer (rather than the push of the producer). Finally, as flow and pull are implemented, the lean thinker speeds up the cycle of

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improvement in pursuit of perfection. The first part of this book describes each of these concepts and makes them come alive with striking examples. Lean Thinking clearly demonstrates that these simple ideas can breathe new life into any company in any industry in any country. But most managers need guidance on how to make the lean leap in their firm. Part II provides a step-by-step action plan, based on in-depth studies of more than fifty lean companies in a wide range of industries across the world. Even those readers who believe they have embraced lean thinking will discover in Part III that another dramatic leap is possible by creating an extended lean enterprise for each of their product families that tightly links value-creating activities from raw materials to customer. In Part IV, an epilogue to the original edition, the story of lean thinking is brought up-to-date with an enhanced action plan based on the experiences of a range of lean firms since the original publication of Lean Thinking. Lean Thinking does not provide a new management "program" for the one-minute manager. Instead, it offers a new method of thinking, of being, and, above all, of doing for the serious long-term manager -- a method that is changing the world.

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