

## Zero Inventories Irwin Apics Series In Production Management

Tools and Tactics for Operations Managers (Collection)  
 Basics of Supply Chain Management  
 A Journey through Manufacturing and Supply Chain Strategy Research  
 A Descriptive Analysis of the Subcontractor/supplier Linkages Within a Just-in-time Environment in the U.S. Automobile Industry  
 International Manufacturing Strategy in a Time of Great Flux  
 Integral Logistic Structures  
 IIE Integrated Systems Conference Proceedings  
 Lean Six Sigma in Higher Education Institutions  
 The Constraints Management Handbook  
 MRP II  
 Improving Changeover Performance  
 Production and Inventory Management  
 Putting the Just-In-Time Philosophy into Practice  
 Zero Inventories  
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 How Management Programs Can Improve Organization Performance  
 Supply Chain Design (Collection)  
 Lean Production for Competitive Advantage  
 Load-Oriented Manufacturing Control  
 Total Manufacturing Management  
 Logistics of Production and Inventory  
 International Journal of Production Economics  
 The Encyclopedia of Operations Management  
 Business Marketing Management  
 Readings in Zero Inventory  
 Building Sustainability Into Your Organization (Collection)  
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 The Routledge Companion to Lean Management

*Zero Inventories Irwin Apics Series In Production Management*

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### **BURNS SIENA**

*Tools and Tactics for Operations Managers (Collection)* Elsevier

This book is intended as a tribute to Gianluca Spina, the influential and inspiring Professor of Business Management & Organization and Supply Chain Management at the School of Management of Politecnico di Milano, who very sadly passed away early in 2015. It brings together seven of his most important papers, published in renowned international journals, and supplements these papers with insightful commentaries from friends and colleagues who highlight key messages and values of enduring validity. The selected papers offer a clear sense of Spina's research journey over the years and cover the main research streams that distinguished his work. They have also been chosen on account of their high impact, as reflected by the number of citations received, and to represent the most important research collaborations that Spina had established within Italy and abroad. An introductory chapter relates his research to major

developments in the field of Manufacturing and Supply Chain Strategy and also outlines the very important contribution that Gianluca Spina made to Management Education.

*Basics of Supply Chain Management* Zero Inventories

Improving Changeover Performance is essential reading for managers, engineers and improvement practitioners working in manufacturing industries. It will also prove invaluable to original equipment manufacturers and postgraduates and academic researchers alike. Increasing importance is being placed on responsive, flexible manufacture in multi-product industrial environments. The ability to changeover production facilities both quickly and to a high standard is a key component of just-in-time and lean manufacturing paradigms, which are increasingly being adopted as businesses strive to compete in today's volatile and congested markets. Currently industry frequently adopts the SMED (Single Minute Exchange of Die) system, a well-established shop floor method to improve changeovers. This book takes a major step beyond the SMED system, by describing in much greater detail than hitherto the potential role of engineering design, of both substantive and non-substantive nature, to enhance changeovers. It also clearly sets out what better changeover performance can contribute to business competitiveness, and describes

the many pitfalls that an improvement initiative can face. Provides overall methodology for changeover improvement Incorporates design into SMED system Recommended by the IMechE Journal of Engineering Manufacture

**A Journey through Manufacturing and Supply Chain Strategy Research** Industrial Press Inc. Supplies the most essential concepts and methods necessary to capitalize on the innovations of industrial automation, including mathematical fundamentals, ergonomics, industrial robotics, government safety regulations, and economic analyses.

*A Descriptive Analysis of the Subcontractor/supplier Linkages Within a Just-in-time Environment in the U.S. Automobile Industry* Springer

A brand new collection of world-class supply chain design solutions... 3 authoritative books, now in a convenient e-format, at a great price! 3 authoritative eBooks deliver state-of-the-art guidance for designing and optimizing highly competitive global supply chains! This unique 3 eBook package will help you design state-of-the-art supply chains that deliver rapid, quantifiable, and sustainable competitive advantage. The Encyclopedia of Operations Management is the perfect single-volume "field manual" for every supply chain or operations management practitioner and student. Nearly

1,500 well-organized, up-to-date definitions cover every facet of supply chain design, planning, management, and optimization. Next, in *Reinventing the Supply Chain Life Cycle*, Marc J. Schniederjans and Stephen B. LeGrand show how to optimize supply chains throughout their entire lifecycle: creation, growth, maturity, and decline! Reflecting up-to-the-minute "in-the-trenches" experience and pioneering research, this book illuminates the complex transformational processes associated with managing complex supply chains that incorporate multiple products and services within ever-changing networks. They walk you through: starting, creating, and building new supply chains; realigning them for growth; adjusting to dynamic change, readjusting networks, building flexibility, and managing new risks. Next, they offer practical, realistic guidance for realigning "mature" supply chains, innovating, controlling costs; and smoothly managing declining demand. Throughout, they offer invaluable insights, tools, and examples for negotiation, performance measurement, anticipating change, improving agility, meeting commitments to social responsibility and the law; and more. Finally, in *Supply Chain Network Design*, four leading IBM and Northwestern University experts show how to use strategic supply chain network design to achieve dramatic new savings. They integrate rigorous principles and practical applications to help you select the right number, location, territory, and size of warehouses, plants, and production lines; and optimize the flow of all products through even the most complex global supply chain. You'll find better ways to decide what (and where) to manufacture internally; and which products to outsource (and to whom). You'll get help managing cost vs. service-level tradeoffs; using analytics to improve decision-making; and re-optimizing regularly for even more savings. Whatever your role in supply chain design, this collection will help you systematically optimize performance, customer value, and profitability. From world-renowned supply chain experts Arthur V. Hill, Marc J. Schniederjans, Stephen B. LeGrand, Michael Watson, Sara Lewis, Peter Cacioppi, and Jay Jayaraman

*International Manufacturing Strategy in a Time of Great Flux* CRC Press

This book assesses the state of international manufacturing strategy and clarifies how recent developments, for example regarding configuration, technology, and the environment, are impacting on its content and direction and on its relationship to manufacturing performance. In providing up-to-date coverage of the consequences of such forces and factors for international manufacturing, this book aims to expand the debate concerning international manufacturing strategy and cast light on its current evolution. International manufacturing is operating within a time of great flux. While offshoring of activities has dominated over recent decades, nearshoring and reshoring are increasingly being considered and observed in practice. At the same time, technologies such as 3D-printing are gaining traction and the role of ICT and data analytics is increasingly important in the international manufacturing landscape while digitization becomes more prevalent and the embrace of the Internet of Things (IOT) accelerates. Furthermore, issues related to the environment are figuring more prominently in international manufacturing considerations, and assumptions regarding the long-term cost of energy are being called into question. International manufacturing is also experiencing greater servitization.

*Integral Logistic Structures* IAP Handbook

**IIE Integrated Systems Conference Proceedings** CRC Press

MRP II explores the principles of MRP II systems, and how the manufacturer can utilize and institute them effectively for maximum profit. The book will serve as a valuable professional reference for manufacturers instituting or utilizing an MRP II scheduling system. It will also be a valuable teaching tool for the 2- and 4- year college or university programs, a reference for APICS certification review, and continuing education programs. There are examples throughout, as well as extensive end-of-chapter case studies and their solutions. A glossary of terms is also included. *Lean Six Sigma in Higher Education Institutions* Irwin Professional Pub

Load-Oriented Manufacturing Control is unique as it gives comprehensive and self-contained principles for the implementation of an appropriate production control technique of general applicability. It is based on the "funnel model", a new approach to scheduling and scheduling control which has an extensive monitoring and diagnosis system. Its most important system components include throughput diagrams, load-oriented order release, schedule-oriented capacity planning and control. The "funnel model" is getting increasing implementation in manufacturing companies. It is available in numerous variants and is especially significant for the job-shop and series production. Load-Oriented Manufacturing Control provides a large number of practical examples and is therefore relatively easy to understand. It offers direct implementation of this new

important technique in manufacturing scheduling and control.

*The Constraints Management Handbook* Springer Science & Business Media

This book describes both the essential features of Just-In-Time (JIT) how JIT can be successfully approaches to manufacturing and implemented. JIT marks a significant departure from previous western approaches to manufacturing management, and aims to improve quality levels and customer service while decreasing lead times and inventory levels. The use of simple though effective methods can, with proper management, lead to continual improvements in the manufacturing operation. A number of companies have now implemented JIT and some of these implementations have been very successful. However, what is becoming increasingly clear is that there is a significant number of JIT implementations that fail to achieve the potential benefits of JIT. It is not an easy task, and there are a number of pitfalls that await the unwary manager. My motivation for writing this book has been my experience of working with companies that have been successful in JIT and of seeing what needs to be done and how the implementing most common pitfalls can be avoided. The book is oriented towards batch manufacturing since this accounts for a large proportion of manufacturing in most western countries. Other types (including process, mass and jobbing) can also profitably use many of the JIT techniques to improve their operation.

*MRP II* Emerald Group Publishing

*Zero Inventories* Irwin Professional Pub

**Improving Changeover Performance** FT Press

A brand new collection of state-of-the-art techniques for building more sustainable, higher-performing organizations... now in a convenient e-format, at a great price! Three 100% practical primers help you drive competitive advantage by optimizing sustainability and operational performance To compete in today's extraordinarily competitive global environment, organizations need to achieve new levels of sustainability and operational performance. This brand-new package brings together three practical, state-of-the-art primers for doing just that. Robert Palevich's *The Lean Sustainable Supply Chain* offers start-to-finish guidance for redesigning company infrastructure and technologies to achieve the powerful benefits that come with integrating "lean" and "green." and benefits. Palevich introduces core concepts of lean green supply chain management, illuminating them with a comprehensive case study showing how to manage change, innovation, talent, execution, inventory, warehousing, and transportation. He demonstrates how to integrate supply chain sustainability into business scorecards; use 3PLs more effectively; drive more value from information, and systematically address every relevant technical issue. Next, in *Creating a Sustainable Organization*, Peter A. Soyka presents today's most complete and actionable guide to improving business performance through sustainable practices. Soyka bridges the disparate worlds of the EHS/sustainability professional and the investor/analyst, outlining today's best evidence about linkages between sustainability and value, discussing key stakeholder relationships, and introducing new practices for managing and measuring sustainability throughout the business. Finally, Arthur V. Hill's *The Encyclopedia of Operations Management* is today's most convenient and useful supply chain/operations management "field manual." Bringing together nearly 1,500 well-organized definitions, it helps you quickly map all areas of these fields, from accounting and distribution through quality management, strategy, transportation, and warehousing. Throughout, Hill offers a shared language and realistic insights for improving any process and supporting any training program. From world-renowned supply chain and operations experts Robert Palevich, Peter A. Soyka, and Arthur V. Hill

*Production and Inventory Management* Praeger

This is the perfect "field manual" for every supply chain or operations management practitioner and student. The field's only single-volume reference, it's uniquely convenient and uniquely affordable. With nearly 1,500 well-organized definitions, it can help students quickly map all areas of operations and supply chain management, and prepare for case discussions, exams, and job interviews. For instructors, it serves as an invaluable desk reference and teaching aid that goes far beyond typical dictionaries. For working managers, it offers a shared language, with insights for improving any process and supporting any training program. It thoroughly covers: accounting, customer service, distribution, e-business, economics, finance, forecasting, human resources, industrial engineering, industrial relations, inventory management, healthcare management, Lean Sigma/Six Sigma, lean thinking, logistics, maintenance engineering, management information systems, marketing/sales, new product development, operations research, organizational behavior/management, personal time management, production planning and control, purchasing,

reliability engineering, quality management, service management, simulation, statistics, strategic management, systems engineering, supply and supply chain management, theory of constraints, transportation, and warehousing. Multiple figures, graphs, equations, Excel formulas, VBA scripts, and references support both learning and application. "... this work should be useful as a desk reference for operations management faculty and practitioners, and it would be highly valuable for undergraduates learning the basic concepts and terminology of the field." Reprinted with permission from CHOICE <http://www.cro2.org>, copyright by the American Library Association.

**Putting the Just-In-Time Philosophy into Practice** Springer

A brand new collection of state-of-the-art operations management tools and tactics... 3 authoritative books, now in a convenient e-format, at a great price! 3 authoritative eBooks bring together today's most valuable new operations management techniques and solutions! Apply today's most innovative operations management techniques to improve performance and value in any organization -- even the most complex or constrained! In *High Performance Operations*, Hillel Glazer shows how to optimize business performance and profitability while maintaining strong governance and compliance. Glazer demonstrates how to integrate lean and systems thinking, and systematically incorporating compliance into planning for overall performance, value, and profitability, rather than viewing it as an end in itself. Learn how to clarify competing interests and implement pre-conditions for success; use systems thinking to promote operational excellence; eliminate single points of failure; establish proof-of-performance; scale your successes, and get more of "what went right"! *The Encyclopedia of Operations Management* is the perfect single-volume "field manual" for every OM or supply chain professional. Nearly 1,500 well-organized, up-to-date definitions cover every facet of supply chain design, planning, management, and optimization. For the first time, this remarkable reference brings together up-to-the-minute information about topics ranging from accounting and customer service to transportation and warehousing. Next, in *The Operations Manager's Toolbox*, Randal Wilson helps you use proven project management (PM) tools and techniques to supercharge efficiency, free up resources, eliminate unnecessary meetings, and get more done faster. Wilson shows how to apply PM to complete crucial "smaller" tasks that can deliver rapid and sizable improvements. You'll learn how to plan, implement, and measure the success of high-impact changes, and organize key tasks so they actually get done. Discover specific techniques for eliminating waste in engineering, manufacturing, distribution, and inventory. Next, learn how to use PM to manage teams, schedules, budgets, and resources more effectively, and systematically predict and mitigate operational risks. Whatever your role in operations management, this unique eBook collection will help you perform far more effectively -- in your organization, and in your career! From world-renowned operations management experts Hillel Glazer, Arthur V. Hill, and Randal Wilson

*Zero Inventories* Taylor & Francis

All organizations operate in an environment that is rapidly changing. To be successful, the organization must also change. The question is what to change and how. This book will describe in some detail a number of management programs, many of which are known by their three-letter acronyms, such as Just-in-Time (JIT) or Service-Oriented Architecture (SOA). A management program is designed to improve an organization's effectiveness and efficiency. However, there are so many management programs it is often difficult for managers to decide which one would be most appropriate for their operation. This book will describe an array of management programs and group them to indicate their primary purpose. The book will also outline a process that will enable managers to select the most appropriate management program to meet their immediate and long-term needs. Implementing a management program is no small task. It can be expensive, time-consuming, and disruptive of normal operations; therefore, the choice of the management program requires careful selection and implementation. Care must be taken to increase the likelihood of successfully implementing new ventures in all types of organizations -- business, nonprofit and governmental agencies. Many ventures fail, or achieve limited success, not because the idea isn't good but because the organization has not adequately prepared its internal capabilities to meet the environmental conditions in which it operates. An important feature of this book is that it can be updated periodically to add new programs and phase out programs no longer relevant. The book will provide readers with a comprehensive description of the most popular management improvement programs and their primary applications to their organizations. We will discuss the philosophy and principles of these programs and include a discussion on how to use each program to achieve optimum success. A central theme of this book is to not just adopt an improvement program for the sake of adopting it, but to match the improvement program with the

specific needs in an organization. In the chapters that follow, we will illustrate how this matching process can be conducted. Above all, we plan the book to be a concise and useful resource to both practitioners and academics. Here is what you can expect in the chapters.

*Target Ntc Publishing Group*

For operations managers, running a smooth and efficient organization is more crucial than ever -- and it's more difficult, too. Fortunately, there's a secret to success: a proven approach and toolset that can help operations managers free up resources, eliminate unnecessary meetings, and get more done faster. The approach is named "The Power of Completion," and the tools have been honed by expert project managers through decades of experience. In *The Operations Manager's Toolbox*, operations manager and PMP-certified project manager Randal Wilson shows how to apply the Project Management (PM) discipline to completing the crucial "smaller" tasks that can help the organization quickly drive substantial improvements in efficiency and performance. *z* The *Encyclopedia of Operations Management* is the perfect "field manual" for every supply chain or operations management practitioner and student. The field's only single-volume reference, it's uniquely convenient and uniquely affordable. With nearly 1,500 well-organized definitions, it can help students quickly map all areas of operations and supply chain management, and prepare for case discussions, exams, and job interviews. For instructors, it serves as an invaluable desk reference and teaching aid that goes far beyond typical dictionaries. For working managers, it offers a shared language, with insights for improving any process and supporting any training program. *z* It thoroughly covers: accounting, customer service, distribution, e-business, economics, finance, forecasting, human resources, industrial engineering, industrial relations, inventory management, healthcare management, Lean Sigma/Six Sigma, lean thinking, logistics, maintenance engineering, management information systems, marketing/sales, new product development, operations research, organizational behavior/management, personal time management, production planning and control, purchasing, reliability engineering, quality management, service management, simulation, statistics, strategic management, systems engineering, supply and supply chain management, theory of constraints, transportation, and warehousing. Multiple figures, graphs, equations, Excel formulas, VBA scripts, and references support both learning and application.

**CMA** Springer Science & Business Media

Supply Chain Management (SCM) was once a "pie in the sky" concept that could not be fully achieved. A key barrier was the cost of communicating with and coordinating among the many independent suppliers in each supply chain. SCM is possible because of three changes: technology has developed that simplifies communication, new management paradigms ha

**How Management Programs Can Improve Organization Performance** Taylor & Francis

The results are in. The evidence has been analyzed. Research shows that the lack of enterprise-

wide training is the biggest reason for ERP implementation failures. It is the single most important precursor to achieving success. *Integrated Learning for ERP Success* is the first resource to offer a specifically defined, comprehensive method for planning, delivering, and evaluating ERP training efforts. It even includes formulas for determining training return on investment. The Learning Requirements Planning (LRP) process presented involves a six-step enterprise-level instructional design model that when implemented correctly assures success. If you would rather have a root canal than oversee an ERP implementation, you are not alone. But like avoiding a root canal, avoiding ERP implementation only causes more pain. This book eases the implementation pain. It shows you how a formal plan for learning will increase the productivity of the ERP implementation team, shorten overall implementation time, and substantially decrease implementation costs. It also provides a discussion on how an ERP implementation can be used as a catalyst for lifelong organizational learning. Implementing an ERP system can cost three to ten times the actual software purchase price. You can't afford to waste money or time in the areas of ERP education. *Integrated Learning for ERP Success* shows you how to create learning-focused ERP implementations that provide substantial savings and the competitive advantage.

**Supply Chain Design (Collection)** FT Press

*Organizational Transformation and Process Engineering* is the key to achieving success in the new customer-driven market economy. Organizations are going through tremendous changes, creating environments where all employees can contribute their best, where customer expectations are exceeded, and where efficiency, effectiveness, productivity, quality, customer satisfaction, and competitiveness are taken seriously as critical success factors. Written to assist those companies and organizations striving to keep pace with the competitive atmosphere of the 90s, this book provides all the essential tools, techniques, methodologies, models, and technologies for transformation and reengineering. Broad and comprehensive in scope, *Organizational Transformation and Process Reengineering* explains how to change not just one area, but structures, policies, procedures, processes, and management systems-any aspect of an organizational structure that no longer responds to the current demands of the marketplace. Years of research, teaching, consulting, and practical work experience led Dr. Edosomwan, a leader in his field, to put his unique and practical theories into a volume designed to help organizations overcome the impediments involved in process reengineering projects. He outlines a step-by-step methodology for analyzing organizational structures; the six R's of organizational transformation; models that can be utilized in both public and private organizations; tools and techniques for achieving reengineering goals; implementation plans; and key survival and success factors.

*Lean Production for Competitive Advantage* CRC Press

Interest in the phenomenon known as "lean" has grown significantly in recent years. This is the first volume to provide an academically rigorous overview of the field of lean management,

introducing the reader to the application of lean in diverse application areas, from the production floor to sales and marketing, from the automobile industry to academic institutions. The volume collects contributions from well-known lean experts and up-and-coming scholars from around the world. The chapters provide a detailed description of lean management across the manufacturing enterprise (supply chain, accounting, production, sales, IT etc.), and offer important perspectives for applying lean across different industries (construction, healthcare, logistics). The contributors address challenges and opportunities for future development in each of the lean application areas, concluding most chapters with a short case study to illustrate current best practice. The book is divided into three parts: *The Lean Enterprise* *Lean across Industries* *A Lean World*. This handbook is an excellent resource for business and management students as well as any academics, scholars, practitioners, and consultants interested in the "lean world."

*Load-Oriented Manufacturing Control* Elsevier

*Lean Production for Competitive Advantage: A Comprehensive Guide to Lean Methodologies and Management Practices, Second Edition* introduces 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 work, 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 achieve productivity goals Designed for students who have a basic foundation in production and operations management, the text provides a thorough understanding of the principles of Lean. It also offers practical know-how for implementing a culture of continuous improvement on the shop floor and in the office, creating a heightened sense of responsibility in all stakeholders, and enhancing productivity and efficiency to improve the bottom line. In this second edition, the author addresses management's role in Lean production. Early observers of Japanese methods focused on the shop floor to see amazing things unlike anything practiced elsewhere. And the thinking was, if the "methods" could be adopted by companies elsewhere, those companies would experience the success of the Japanese. What the early observers hadn't considered were dramatic differences in the way those companies were managed, both daily and strategically. The "management side" of Lean production is addressed in two new chapters, one devoted to daily management, the other to strategy deployment. Additionally, there is a new chapter that addresses breakthrough improvement and an approach to achieving it called Production Preparation Process. Every chapter has been revised and expanded to better tell the story of Lean production—its history, applications, practices, and methods.

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