The New Shop Floor Management Empowering People For Continuous Improvement

New Shop Floor ManagementEmpowering People for Continuous ImprovementSimon and Schuster

Identifies the most prominent forms of waste in factories, suggests how to combine and simplify operations, and provides practical examples

The Sensei Way at Work follows in the wake of dozens of successful business books on the Toyota production system, lean enterprise, and the Toyota Way, yet it is unique. It identifies the five keys that sustain successful lean production in Western enterprises—a challenge that has stymied business leaders, managers, and lean coaches for decades. The first reason for our frequent inability to sustain the initial gains of lean startups is a misunderstanding of the Japanese term "kaizen mind." Many mistranslate it as a "hunger" for business efficiency and cost reduction. In fact, kaizen mind is a psychology of "mindfulness" joined with "creativity." And once evoked by a sensei, it can be applied (without training) when a leader mandates that employees and managers solve quality problems and redesign the work together. The second reason is our need to develop new change leaders who know "the way." A sensei immerses prospects in a series of challenges until they learn to do the work of change with the mind of a leader, that is, from the states of presence, flow, and compassion. Lasting organizational transformation becomes possible, even inevitable, when its leaders learn the five keys and realize "one big thing" in the Sensei Way.

Lean Thinking was launched in the fall of 1996, just in time for the recession of 1997. It told the story of how American, European, and Japanese firms applied a simple set of principles called 'lean thinking' to survive the recession of 1991 and grow steadily in sales and profits through 1996. Even though the recession of 1997 never happened, companies were starving for information on how to make themselves leaner and more efficient. Now we are dealing with the recession of 2001 and the financial meltdown of 2002. So what happened to the exemplar firms profiled in Lean Thinking? In the new fully revised edition of this bestselling book those pioneering lean thinkers are brought up to date. Authors James Womack and Daniel Jones offer new guidelines for lean thinking firms and bring their groundbreaking practices to a brand new generation of companies that are looking to stay one step ahead of the competition.

Select Proceedings of ICAST 2020

The Dismantling of Great Britain

The Sensei Way at Work

Advances in Human Factors, Business Management and Leadership

What We Have Lost

The New Shop Floor Management

European And Japanese Perspectives

Changing Organizational Culture

Discusses management techniques that focus maximum energy on the most crucial point of a business--the shop floor--and empower individuals to self-manage their work

This book introduces fundamental, advanced, and future-oriented scientific quality management methods for the engineering and manufacturing industries. It presents new knowledge and experiences in the manufacturing industry with real world case studies. It introduces Quality 4.0 with Industry 4.0, including quality engineering tools for software quality and offers lean quality management methods for lean manufacturing. It also bridges the gap between quality management and quality engineering, and offers a scientific methodology for problem solving and prevention. The methods, techniques, templates, and processes introduced in this book can be utilized in various areas in industry, from product engineering to manufacturing and shop floor management. This book will be of interest to manufacturing industry leaders and managers, who do not require in-depth engineering knowledge. It will also be helpful to engineers in design and suppliers in management and manufacturing, all who have daily concerns with project and quality management. Students in business and engineering programs may also find this book useful as they prepare for careers in the engineering and manufacturing industries. Presents new knowledge and experiences in the manufacturing industry with real world case studies Introduces quality engineering methods for software development Introduces Quality 4.0 with Industry 4.0 Offers lean quality management methods for lean manufacturing Bridges the gap between quality management methods and quality engineering Provides scientific methodology for product planning, problem solving and prevention management Includes forms, templates, and tools that can be used conveniently in the field

It's Not Magic is a two-part story of how a small, struggling manufacturing supplier, Magic Inc., transformed itself into a leading manufacturer of springs and stampings. First, is the historical account of a group of people who faced the realities of the current and coming business world head on--not only did they survive--they thrived and increased sales from four million dollars annually to sixty million annually. Second, Klein and Zawacki share the processes and programs they used to stabilize Magic, Inc. in The Magic Workbook, designed for students and professionals alike. They include the charts, lists, questionnaires, and programs that will be of practical use to others seeking to economically re-energize a company.

This book reports on research and developments in human-technology interaction. A special emphasis is given to human-computer interaction, and its implementation for a wide range of purposes such as healthcare, aerospace, telecommunication, and education, among others. The human aspects are analyzed in detail. Timely studies on human-centered design, wearable technologies, social and affective computing, augmented, virtual and mixed reality simulation, human rehabilitation and biomechanics represent the core of the book. Emerging technology applications in business, security, and infrastructure are also critically examined, thus offering a timely, scientifically-grounded, but also professionally-oriented snapshot of the current state of the field. The book is based on contributions presented at the 3rd International Conference on Human Interaction and Emerging Technologies: Future Applications, IHIET 2020, held on August 27-29, 2020. It offers a timely survey and a practice-oriented reference guide to researchers and professionals dealing with design and/or management of the new generation of service systems.

Human Interaction, Emerging Technologies and Future Applications III

Introduction and In-Depth Study of Japanese Management Philosophy

Banish Waste And Create Wealth In Your Corporation

From Deterministic Models towards Agile Operations Management

Techniques for Continuous Improvement

Achieving Stretch Goals

Sustaining a Culture of Process Control and Continuous Improvement

The Five Keys to a Lean Business Transformation

How to speed up business processes, improve quality, and cut costs in any industry In factories around the world, Toyota consistently makes the highest-quality cars with the fewest defects of any competing manufacturer, while using fewer man-hours, less on-hand inventory, and half the floor space of its competitors. The Toyota Way is the first book for a general audience that explains the management principles and business philosophy behind Toyota's worldwide reputation for quality and reliability. Complete with profiles of organizations that have successfully adopted Toyota's principles, this book shows managers in every industry how to improve business processes by: Eliminating wasted time and resources Building quality into workplace systems Finding low-cost but reliable alternatives to expensive new technology Producing in small quantities Turning every employee into a qualitycontrol inspector

Were you looking for the book with access to MyLab Operations Management? This product is the book alone and does NOT come with access to the MyLab. Buy Operations Management, 8th edition with MyLab Operations Management access card (ISBN 9781292254036) if you need access to the MyLab as well, and save money on this resource. You will also need a course ID from your instructor to access the MyLab. Operations management is important, exciting, challenging … and everywhere you look! · Important, because it enables organizations to provide services and products that we all need · Exciting, because it is central to constant changes in customer preference, networks of supply and demand, and developments in technology · Challenging, because solutions must be must be financially sound, resource-efficient, as well as environmentally and socially responsible · And everywhere, because in our daily lives, whether at work or at home, we all experience and manage processes and operations. Author note: Folksinger Tom Juravich has been a machine mechanic, and is currently Assistant Professor of Labor Studies at Pennsylvania State University.

How is practical change work carried out in modern organizations? And what kind of challenges, tasks and other difficulties are normally encountered as a part of it? In a turbulent and changing world, organizational culture is often seen as central for sustained competitiveness. Organizations are faced with increased demands for change but these are often so challenging that they meet heavy resistance and fizzle out. Changing Organizational Culture encourages the development of a reflexive approach to organizational change, providing insights as to why it may be difficult to maintain momentum in change processes. Based around an illuminating case study of a cultural change programme, the book provides 15 lessons on the entire change journey; from analysis and design, to implementation and how organizational members should approach change projects. This enhanced edition considers the most recent studies on organizational change practice, with new examples from businesses and the public sector, and includes one empirical study which uses the authors' own framework, enriching their practical recommendations. It also draws on the latest theoretical developments, including ideas of power and storytelling. Accompanying the text is an online pedagogic and research ideas guide available for course instructors and lecturers at Routledge.com. Changing Organizational Culture will be vital reading for students, researchers and practitioners working in organizational studies, change management and HRM.

The Digital Shopfloor - Industrial Automation in the Industry 4.0 Era

Special 100th Birthday Edition

Global Production Networks

It's Not Magic

A Zero-Waste Environment with Process Automation

Innovation is Everybody's Business

Best Practices in Manufacturing for the New Millennium

Lean Management

This book presents the select proceedings of the International Conference on Advances in Sustainable Technologies (ICAST 2020), organized by Lovely Professional University, Punjab, India. This book caters to the industrial and production engineering aspects. It covers the industrial and production engineering areas such as sustainable manufacturing systems, decision sciences, supply chain management, Just in Time (JIT), logistics and supply chain management, rapid prototyping and reverse engineering, quality control and reliability, six sigma, smart manufacturing, time and motion study, six sigma, ergonomics, operations management, manufacturing management, metrology, manufacturing process optimization, machining and machine tools, casting, welding, and forming. This book will be useful for industry professionals and researchers working in the area of mechanical engineering, especially industrial and production engineering.

This book analyzes new theories and practical approaches for promoting excellence in human resource management and leadership. It shows how the principles of creating shared value can be applied to ensure faster learning, training, business development and social renewal. In particular, it presents novel methods and tools for tackling the complexity of management and learning in both business organizations and society. Discussing ontologies, intelligent management systems, and methods for creating knowledge and value added, it offers novel insights into time management and operations optimization, as well as advanced methods for evaluating customers ' satisfaction and conscious experience. Based on three AHFE 2020 Virtual Conferences: the AHFE 2020 Conference on Human Factors, Business Management and Society, the AHFE 2020 Conference on Human Factors in Management and Leadership, held on July 16 – 20, 2020, the book provides researchers and professionals with extensive information, practical tools and inspiring ideas for achieving excellence in a broad spectrum of business and societal activities.

This book describes a vision of manufacturing in the twenty-first century that maximizes efficiencies and improvements by exploiting the full power of information and provides a research agenda for information technology and manufacturing that is necessary for success in achieving such a vision. Research on information technology to support product and process design, shop-floor operations, and flexible manufacturing is described. Roles for virtual manufacturing and the information infrastructure are also addressed. A final chapter is devoted to nontechnical research issues.

The phenomenon of globalization has increased in recent decades due to the opening of borders in Eastern Europe and the sudden emergence of other countries in the global trade economy. Yet, the process of becoming global to get access to growing markets or to achieve quality, service, and/or cost advantages from the reconfigured Value Chains is one of the most complex processes that companies undertake. Global Production Networks: Operations Design and Management addresses the challenges that companies face and proposes a range of innovative methodological approaches when designing and implementing global manufacturing and logistics networks. The book provides principles, tools, and techniques to help managers and practitioners tackle the design and management of global manufacturing and logistics networks. It presents guidelines based on the key activities and decisions of operations management for companies that have begun the internationalization process over the past few years, focusing on small and medium enterprises, and includes case studies that show best practices and recent trends. The author has worked closely with researchers and practitioners throughout the world to offer a methodological answer for the analysis and design of global networks with productive multilocation as well as the design of plants, warehouses, and supplier networks in new international contexts. The text also outlines the GlobOpe (Global Operations) framework and roadmap that outlines a logical path to identifying sources of competitiveness when designing and managing Global Production Networks. The process of internationalization in global markets has often been tackled from the business point of view, but rarely from the perspective of the production and logistics systems that support it. This book takes an in-depth look at the strategy of production and logistics operations, providing a roadmap for managers who need to analyze, assess, define, and deploy the operations strategy in their companies.

Mistake-Proofing for Operators

Identifying Waste on the Shopfloor

Chaos on the Shop Floor

The Story of Industrial Engineering

Lean Thinking

The Rebirth of a Small Manufacturing Company

A Research Agenda

Proceedings of the AHFE 2020 Virtual Conferences on Human Factors, Business Management and Society, and Human Factors in Management and Leadership, July 16-20, 2020, USA

The ability of future industry to create interactive, flexible and always-on connections between design, manufacturing and supply is an ongoing challenge, affecting competitiveness, efficiency and resourcing. The goal of enterprise interoperability (EI) research is therefore to address the effectiveness of solutions that will successfully prepare organizations for the advent and uptake of new technologies. This volume outlines results and practical concepts from recent and ongoing European research studies in EI, and examines the results of research and discussions cultivated at the I-ESA 2018 conference, "Smart services and business impact of enterprise interoperability". The conference, designed to encourage collaboration between academic inquiry and real-world industry applications, addressed a number of advanced multidisciplinary topics including Industry 4.0, Big Data, the Internet of Things, Cloud computing, ontology, artificial intelligence, virtual reality and enterprise modelling for future "smart" manufacturing. Readers will find this book to be a source of invaluable knowledge for enterprise architects in a range of industries and organizations.

This comprehensive book presents a methodology for continuous process improvement in a structured, logical, and easily understandable framework based on industry accepted tools, techniques, and practices. It begins by explaining the conditions necessary for establishing a stable and capable process and the actions required to maintain process control, while setting the stage for sustainable efficiency improvements driven by waste elimination and process flow enhancement. This structured approach makes a clear connection between the need for a quality process to serve as the foundation for incremental efficiency improvements. This book moves beyond talking about the value contribution of tools and techniques for process control and continuous improvement by focusing on the daily work routines necessary to maintain and sustain these activities as part of a lean process and management mindset. Part 1 discusses process quality improvement with an understanding of variation and its impact on process performance. It continues by stressing the importance of standardizing a process to achieve process stability. Once process stability is reflected in a consistent and predictable output, attention is turned to ensuring the process is capable of consistently meeting customer requirements. This series of activities sets the foundation for process control and the sustainable pursuit of efficiency improvements. Part 2 focuses on efficiency improvement by eliminating waste while improving process flow using proven tools and methods. Although there is a clear relationship between waste elimination and process flow, these activities are discussed separately to allow those more interested in waste elimination to work independently from those looking to optimize value stream flow. Part 3 explores the principles, practices, systems, and behaviors required to maintain process control while creating a mindset of continuous incremental improvement. It considers the role organizational structure, discipline, and accountability play as essential components for long term operational success. This book will: Provide readers with a clear roadmap for establishing, achieving, and maintaining process control as the foundation upon which to pursue efficiency improvements. Establish direction and methods for continuous and sustainable process improvement Define the practices, systems, and behaviors required to realize desired results and develop a culture of process control and continuous improvement along the road to operational excellence.

Shop floor control and namely the problem of job shop scheduling have been fields of research for a long time. However, until now no comprehensive framework on the various aspects exists. This book will provide a systems perspective towards shop floor control by stressing its sociotechnical and cybernetical nature. It focuses on the behavioral aspects of control activities and sees the shop floor as the center of value-adding manufacturing activities within an enterprise. The book enables the reader to understand the interaction of organization, information technology and human resources. This eventually allows to achieve holistic and agile solutions and facilitates profound organizational change. The book will therefore provide a welcome addition to several standard textbooks on the issue.

Like all Shopfloor Series books, Identifying Waste on the Shopfloorpresents concepts and tools in simple and accessible language. The book includes many illustrations and examples to explain basic concepts and some of the challenges that are encountered when looking for and eliminating waste. Identifying Waste on the Shopfloor is the ideal compliment to 5S, TPM, and other tools for building a lean manufacturing operation. Productivity's Shopfloor Series books offer a simple, cost-effective approach for building basic knowledge about key manufacturing improvement topics. Identifying Waste on the Shopfloor and all our Shopfloor Series books include innovative instructional features that are the signature of the series. The goal: to place powerful and proven improvement tools in the hands of your entire workforce.

Fashion Buying

Shop Floor Control - A Systems Perspective

The ZQC System

New Manufacturing Challenge

Management for Quality Improvement

Operations Management

New Shop Floor Management

A Worker's View of Quality, Productivity, and Management

"Toyota Kata gets to the essence of how Toyota manages continuous improvement and human ingenuity, through its improvement kata and coaching kata. Mike Rother explains why typical companies fail to understand the core of lean and make limited progress—and what it takes to make it a real part of your culture." —Jeffrey K. Liker, bestselling author of The Toyota Way "[Toyota Kata is] one of the stepping stones that will usher in a new era of management thinking." —The Systems Thinker "How any organization in any industry can progress from old-fashioned management by results to a strikingly different and better way." —James P. Womack, Chairman and Founder, Lean Enterprise Institute "Practicing the improvement kata is perhaps the best way we've found so far for actualizing PDCA in an organization." —John Shook, Chairman and CEO, Lean Enterprise Institute This game-changing book puts you behind the curtain at Toyota, providing new insight into the legendary automaker's management practices and offering practical guidance for leading and developing people in a way that makes the best use of their brainpower. Drawing on six years of research into Toyota's employee-management routines, Toyota Kata examines and elucidates, for the first time, the company's organizational routines--called kata--that power its success with continuous improvement and adaptation. The book also reaches beyond Toyota to explain issues of human behavior in organizations and provide specific answers to questions such as: How can we make improvement and adaptation part of everyday work throughout the organization? How can we develop and utilize the capability of everyone in the organization to repeatedly work toward and achieve new levels of

performance? How can we give an organization the power to handle dynamic, unpredictable situations and keep satisfying customers? Mike Rother explains how to improve our prevailing management approach through the use of two kata: Improvement Kata--a repeating routine of establishing challenging target conditions, working step-by-step through obstacles, and always learning from the problems we encounter; and Coaching Kata: a pattern of teaching the improvement kata to employees at every level to ensure it motivates their ways of thinking and acting. With clear detail, an abundance of practical examples, and a cohesive explanation from start to finish, Toyota Kata gives executives and managers at any level actionable routines of thought and behavior that produce superior results and sustained competitive advantage.

This book is a complete, up-to-date review of the best practices developed by world-class manufacturers, in the fields of semiconductors, fibers, plastics, films, food and beverage, pharmaceuticals, medical devices, and many others. Among the areas covered plant performance measurement, product quality, customer service, cycle time reduction, cost reduction, and plant execution systems.

In this first comprehensive departure from the time-and-motion dictums of Frederick Taylor's Shop Management that have influenced management practices for most of this century, Kiyoshi Suzaki offers a framework for successfully conducting business at its most crucial point-the shop floor. Drawing on the principles of holistic management, where organizational boundaries are smashed and co-destiny is created, Suzaki demonstrates how modern shop floor management techniques -- focusing maximum energy on the front line -- can lead to dramatic improvements in productivity and valueadded-to-services. The role of management today, Suzaki argues, is to eliminate its own responsibilities by thinking of the organization from the genba, or shop floor, point of view. In this challenge, Suzaki claims, organizations need to collect the wisdom of people by practicing "Glass Wall Management," where organizations become transparent, enabling employees to contribute maximum creativity as opposed to blocking their potential with what he calls "Brick Wall Management." Further, to empower individuals to selfmanage their work and satisfy their customers, Suzaki asserts that they all should learn to manage their own "mini-company," where everybody is considered president of his or her area of responsibility. Front-line supervisors, Suzaki shows, must develop a mission and goals and share them both up and downstream. He cites examples of the "shop floor point of view" -- McDonald's Corporation's legal staff learning how to sell hamburgers and fix milkshake machines; Honda's human resource staff training on the assembly line -- that narrow the gap between top management and the shop floor. By upgrading people's skills, focusing on empowerment, and streamlining processes, Suzaki illustrates that an organization will realize concrete improvements in quality, cost, delivery, safety, morale, and ultimately, its competitive position.

The philosophy of kaizen, which simply means continuous improvement, needs to adopted by any organization seeking to implement lean improvements that go beyond cost cutting. Kaizen events are opportunities to make focused changes in the workplace. Kaizen for the Shopfloor takes readers through the critical steps for conducting a very effective kaizen event: one that is well planned, well implemented, and well documented. As the newest addition to the Shingo Prize Winning Shopfloor Series, Kaizen for the Shopfloor distills the complexities of jump starting lean processes into an easily accessible format for those frontline employees who make lean possible. About the Shopfloor Series: Put proven improvement tools in the hands of your entire workforce! Progressive shopfloor improvement techniques are imperative for manufacturers who want to stay competitive and to achieve world class excellence. And it's the comprehensive education of all shopfloor workers that ensures full participation and success when implementing new programs. The Shopfloor Series books make practical information accessible to everyone by presenting major concepts and tools in simple, clear language and at a reading level that has been adjusted for operators by skilled instructional designers. One main idea is presented every two to four pages so that the book can be picked up and put down easily. Each chapter begins with an overview and ends with a summary section. Helpful illustrations are used throughout.

14 Management Principles from the World's Greatest Manufacturer

Shop Floor Control Systems

From design to implementation

Develop and Empower Lean Leaders to Sustain Continuous Improvement

Managing the Shopfloor

Amoeba Management

Operations Design and Management, Second Edition

Analytics for Control

COMMEMORATING THE 100th BIRTHDAY OF TAIICHI OHNO Businesses worldwide are successfully implementing the Toyota Production System to speed up processes, reduce waste, improve quality, and cut costs. While there is widespread adoption of TPS, there is still much to be learned about its fundamental principles. This unique volume delivers a clear, concise overview of the Toyota Production System and kaizen in the very words of the architect of both of these movements, Taiicho Ohno, published to mark what would have been his 100th birthday. Filled with insightful new commentary from global quality visionaries, Taiichi Ohno’s Workplace Management is a classic that shows how Toyota managers were taught to think. Based on a series of interviews with Ohno himself, this timeless work is a tribute to his genius and to the core values that have made, and continue to make, Toyota one of the most successful manufacturers in the world. "Whatever name you may give our system, there are parts of it that are so far removed from generally accepted ideas (common sense) that if you do it only half way, it can actually make things worse." "If you are going to do TPS you must do it all the way. You also need to change the way you think. You need to change how you look at things." -- Taiichi Ohno "This book brings to us Taiichi Ohno's philosophy of workplace management--the thinking behind the Toyota Production System. I personally get a thrill down my spine to read these thoughts in Ohno’s own words." -- Dr. Jeffrey Liker, Director, Japan Technology Management Program, University of Michigan, and Author, The Toyota Way Based on a series of interviews with Taiicho Ohno, this unique volume delivers a clear, concise overview of the Toyota Production System and kaizen in the very words of the architect of both of these movements, published to mark what would have been his 100th birthday. INCLUDES INSIGHTFUL NEW COMMENTARY FROM: Fujio Cho, Chairman of Toyota Corporation Masaaki Imai, Founder of the Kaizen Institute Dr. Jeffrey Liker, Director, Japan Technology Management Program, University of Michigan, and author John Shook, Chairman and CEO of the Lean Enterprise Institute Bob Emiliani, Professor, School of Engineering and Technology, Connecticut State University Jon Miller, CEO of the Kaizen Institute

Industrial engineering is the profession dedicated to making collective systems function better with less waste, better quality, and fewer resources, to serve the needs of society more efficiently and more effectively. This book uses a story-telling approach to advocate and elaborate the fundamental principles of industrial engineering in a simple, interesting, and engaging format. It will stimulate interest in industrial engineering by exploring how the tools and techniques of the discipline can be relevant to a broad spectrum of applications in business, industry, engineering, education, government, and the military. Features Covers the origin of industrial engineering Discusses the early pioneers and profiles the evolution of the profession Presents offshoot branches of industrial engineering Illustrates specific areas of performance measurement and human factors Links industrial engineering to the emergence of digital engineering Uses the author’s personal experience to illustrate his advocacy and interest in the profession

Especially effective in dynamic and highly competitive environments, the Amoeba Management System has received attention from the Harvard Business Review and has already been successfully adopted at more than 400 companies around the world. At the heart of this innovative management system is a business philosophy based on doing the right thing as

This book examines the progress of internationalisation of European and Japanese business in four different fields: the commodities and service trade, capital transfers, enterprise management, and information and culture.

Project Management Essentials

The Toyota Way

The Roadmap for Efficiency and Operational Excellence

A Scientific and Systematic Approach

Performance Analysis and Applications

The 7 New QC Tools

How to Make Yourself Indispensable in Today's Hypercompetitive World

This book explains how to sustain lean, or, continuous improvement practices. It introduces the BASICS® lean leadership development path, combining the "human aspect" with published BASICS® lean tools. It lays out the methodology to empower, lead, and drive ongoing improvements in your business. The book includes engaging stories and case studies to demonstrate the effectiveness of shop floor management tactics, including visual management tools, gemba walks, standard work, time analysis, kanban, 5S, and more.

This Focus book presents the basic principles and practice of project management and simple analytics for project control, using the systems framework of Design, Evaluation, Justification, and Integration (DEJI). The overriding theme of the book is that every pursuit can be organized as a project. This short form book presents the evolution of products in the classical era of introducing new projects needing project management. It discusses the development of project alliances, includes the role of project management in advancing organization goals, illustrates the early applications of project management, and includes humans in the loop. The book will also cover project systems and work design, while showing the integration of quantitative and qualitative analytics. This book can serve as a reference for everyone, since everyone is engaged in project management, whether formal or informal

In recent years there has been a tremendous upsurge of interest in manufac turing systems design and analysis. Large industrial companies have realized that their manufacturing facilities can be a source of tremendous opportunity if managed well or a huge corporate liability if managed poorly. In particular industrial managers have realized the potential of well designed and installed production planning and control systems. Manufacturing, in an environment of short product life cycles and increasing product diversity, looks to tech niques such as manufacturing resource planning, Just In Time (lIT) and total quality control among others to meet the challenge. Customers are demanding high quality products and very fast turn around on orders. Manufacturing personnel are aware of the lead time from receipt of order to delivery of completed orders at the customer's premises. It is clear that this production lead time is, for the majority of manufacturing firms, greatly in excess of the actual processing or manufacturing time. There are many reasons for this, among them poor coordination between the sales and manufacturing function. Some are within the control of the manufacturing function. Others are not.

The Zero Quality Control System (ZQC) is a mistake-proofing approach that prevents defects by monitoring processing conditions at the source and correcting errors that cause defects. Since it is human nature to make mistakes, ZQC does not blame people for errors, but instead finds ways to keep errors from becoming defects. In this breakthrough approach, mistake-proofing devices called poka-yoke are used to check and give feedback about each product or operation in the process, not just a sample. This book introduces operators and assembly workers to the basic methodology of ZQC in an easy-to-read format that covers all aspects of this important manufacturing improvement strategy. Mistake-Proofing for Operators includes the instructional features that are the signature of the Shopfloor Series. In this series Productivity Press has taken the lead in adult education by teaming with instructional designers to develop complete programs for frontline learning. The goal: to place powerful and proven improvement tools such as ZQC and mistake-proofing in the hands of your company's entire workforce. Winner of the 1990 Shingo Prize for Excellence in Manufacturing, Mistake-Proofing for Operators is based on Zero Quality Control: Source Inspection and the Poka-Yoke System by Shigeo Shingo

From Trend Forecasting to Shop Floor

Taiichi Ohnos Workplace Management

The Internationalization Of Japanese Business

Enterprise Interoperability: Smart Services and Business Impact of Enterprise Interoperability

Quality Management in Engineering

Kaizen for the Shop Floor

Cultural Change Work in Progress

Information Technology for Manufacturing

Containing fully updated and beautifully illustrated need-to-know info, this revised second edition of the bestselling textbook on fashion buying contains everything today's fashion management student needs to give them a clear head-start in this lucrative but highly competitive industry. Fashion Buying uniquely looks at what fashion buying entails in terms of the activities, processes and people involved - from the perspective of the fashion buyer. The book breaks down the five key areas of buying activity for those wishing to pursue a career in the industry, crucially exploring the role of the fashion buyer, sources of buying inspiration, sourcing and communication, merchandise planning and trends in fashion buying. Featuring completely revised content on retail typology (including need-to-know info on demographics, price points and markets), and selecting and buying garments (line sheets, purchase orders and lookbooks), Fashion Buying now includes valuable new sections on customer profiling, merchandise pricing (mark-ups, markdowns and how pricing is calculated for profit), and trends. Also included in this practical handbook are insightful interviews with both established and emergent fashion creatives. Business case studies put the contents of each chapter into professional context and provide insider perspective; while industry-focused exercises and activities enable readers to practise applying their new skills and so gain a competitive advantage in both their studies and buying careers. Written by industry experts, Fashion Buying is an invaluable go-to resource and leading textbook for fashion design, marketing, buying and merchandising students.

Innovation isn't something you do after you get your work done. It's how you do your work. Organizations all over the world are shedding jobs in record numbers. Yet today, they are desperately in need of people with the abilities and skills to think ahead of the curve, delight customers, motivate colleagues, slash costs, and achieve unconventional results. In this practical road map to becoming irreplaceable, global innovation guru and bestselling author Robert B. Tucker reveals why honing your I-Skills (Innovation Skills) may be the smartest career move you'll make. Based on interviews with forty-three innovation-adept managers and individual contributors, Innovation Is Everybody's Business guides you in: Mastering the seven essential I-Skills you need to become indispensable Unleashing the “mindset, skillset, and toolset of the innovator” that enable you to anticipate and rise to the challenges your organization faces in a hypercompetitive era Developing your Personal Innovation Strategy to address the critical components of becoming irreplaceable Assaulting your assumptions at the personal, organizational, and industry levels Building tools for work-life balance and creating your own job satisfaction If you're ready to stop talking about innovation and start adding value today – in your job, department or organization – you're ready to read and benefit from the powerful message of Innovation is Everybody's Business.

The first part is devoted to digital automation platforms, including an introduction to Industry 4.0 and digital automation platforms The second part focuses on the presentation of digital simulation and functionalities The third part provides information about assets and services that boost the adoption of digital automation functionalities

'Exquisitely written and ripe with detail' Sunday Times. 'An engaging book ... He knows his British stuff' The Times. 'One of England's most skilled and alluring prose writers in or out of fiction, has done something even more original' London Review of Books. WHAT WE HAVE LOST IS A MISSILE AIMED AT THE BRITISH ESTABLISHMENT, A BLISTERING INDICTMENT OF POLITICIANS AND CIVIL SERVANTS, PLANNING AUTHORITIES AND FINANCIAL INSTITUTIONS, WHO HAVE PRESIDED, SINCE 1945, OVER THE DECLINE OF BRITAIN'S INDUSTRIES AND REPLACED THE 'GREAT' IN BRITAIN WITH A FOR SALE SIGN HUNG AROUND THE NECK OF THE NATION. Between 1939 and 1945, Britain produced around 125,000 aircraft, and enormous numbers of ships, motor vehicles, armaments and textiles. We developed radar, antibiotics, the jet engine and the computer. Less than seventy years later, the major industries that had made Britain a global industrial power, and employed millions of people, were dead. Had they really been doomed, and if so, by what? Can our politicians have been so inept? Was it down to the superior competition of wily foreigners? Or were our rulers culturally too hostile to science and industry? James Hamilton-Paterson, in this evocation of the industrial world we have lost, analyzes the factors that turned us so quickly from a nation of active producers to one of passive consumers and financial middlemen.

New Shop Floor Management DVD Package

Subjectivity, Masculinity and Workplace Culture

Empowering People for Continuous Improvement

The Dynamic Management System for Rapid Market Response

Toyota Kata: Managing People for Improvement, Adaptiveness and Superior Results

Proceedings of the 3rd International Conference on Human Interaction and Emerging Technologies: Future Applications (IHIET 2020), August 27-29, 2020, Paris, France

Recent Trends in Industrial and Production Engineering

Lean Leadership BASICS

With continuous improvement (kaizen) and Total Quality Control (TQC) becoming increasingly important to world class companies, there's an urgent need to build quality into every management decision. The tools presented in this book allow you to do just that. They represent the most important advance in quality deployment and project management in recent years. Unlike the seven traditional QC tools, which measure quality problems that already exist and are used by quality circles, these seven new QC tools make it possible for managers to plan wide-ranging and detailed TQC objectives throughout the entire organization. These tools, some borrowed from other disciplines and others developed specifically for quality management, include the relations diagram, the KJ method (affinity diagram), the systematic diagram, the matrix diagram, matrix data analysis, the process decision program chart (PDPC), and the arrow diagram. Together they will help you to: Expand the scope of quality efforts company-wide. Set up and manage the systems necessary to resolve major quality problems. Anticipate potential quality problems and actually eliminate defects before they happen. Never before available in English, Management for Quality Improvement is absolutely essential reading if you are in any area of project management, quality assurance, MIS, or TQC.

The Rise from Shop-Floor Management to Modern Digital Engineering