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Nota di contenuto	Demand-Driven Inventory Optimization and Replenishment Creating a More Efficient Supply Chain; Contents; Foreword; Preface; Acknowledgments; CHAPTER 1 Creating Demand-Driven Supply; THE PATH TO DEMAND-DRIVEN SUPPLY; SHIFTING FROM SUPPLY-DRIVEN TO DEMAND-DRIVEN METHODOLOGIES; So You Think You Can Do Better?; MOVING TO A DEMAND-DRIVEN SUPPLY; CREATING MY ISLAND OF EFFICIENCY; WHAT IS AN ISLAND OF EFFICIENCY?; The Intended Island of Efficiency; The Unintended Island of Efficiency; NOTES; CHAPTER 2 Achieving Timely and Accurate Responses to Customer Demand; PUSH AND PULL SUPPLY CHAINS ENTER TOYOTA AND THE KANBAN SYSTEMFROM KANBAN TO JUST-IN-TIME PRODUCTION; WHAT IS NEEDED FOR A JIT SYSTEM TO WORK EFFICIENTLY?; A BROADER VIEW OF JIT/KANBAN IN ACTION; THE KNOWN DEMAND BECOMES THE PREDICTABLE DEMAND; THE JIT PRODUCTION SUPPLY CHAIN WEAKNESSES BECOME AMPLIFIED IN THE DISTRIBUTION CHAIN; SOME DISTRIBUTION ISSUES; THE CUSTOMER PUSHES BACK; THE SQUEEZE IS ON; CREATING AN EFFICIENT SUPPLY

CHAIN USING JIT FUNCTIONALITY; PUSH-PULL TIPPING POINTS; IN SEARCH OF TRUE DEMAND; NOTES; CHAPTER 3 Just-in-Time and Enterprise Resource Planning Rise Together; DENORMALIZED TABLES SEQUENTIAL OPTIMIZATIONUPSTREAM SERVICE LEVELS; ACCUMULATED DEMAND VARIANCE; MULTIPLE HIERARCHIES OF SERVICE LEVEL REQUIREMENTS; THE EFFECTS OF ERP SHORTCOMINGS; The Result of Performing High-Powered Analytics and Optimization with Normalized Tables; SHIFTING COSTS ON A BALANCE SHEET; MOVING THE FOCUS AWAY FROM INVENTORY TO REPLENISHMENT; Segmentation; Monitoring; Reacting; THE LONG TAIL; MAKING MISTAKES FASTER; WORKING WITH ONE HAND TIED BEHIND YOUR BACK; SO, HERE WE ARE; NOTES; CHAPTER 4 How Does Days of Supply Wreak Havoc on the Supply Chain?; RULE-OF-THUMB DAYS/WEEKS OF SUPPLY EXPOSED INEFFICIENCIES OF RULE-OF-THUMB DAYS OF SUPPLYTURNING DAYS OF SUPPLY ON ITS HEAD; CREATING THE EFFICIENCY ENVELOPE; THE JOURNEY, SO FAR; NOTES; CHAPTER 5 What Will You Accomplish with Inventory Optimization?; HOW DOES INVENTORY OPTIMIZATION IMPROVE THE ERP SYSTEMS?; DEVELOPMENT OF THE INVENTORY POLICIES AND REPLENISHMENT PLANS; THE NETWORK STRUCTURE; THE SERVICE LEVEL; THE LEAD TIME AND LEAD-TIME VARIANCE; ORDERING RULES; DEMAND; DEVELOPING POLICY OUTPUTS; The Single Echelon; The Two-Echelon Distributions; The Multi-Echelon Distribution with Replenishment
CHAPTER 6 Fitting Unlimited Optimization into a Constraining WorldTHE PRESENT STATE OF AFFAIRS IN REPLENISHMENT PLANNING; HOW ALERTS TAKE ON MORE SIGNIFICANCE WHEN CUSTOMER SERVICE IS PARAMOUNT; TIME; SPACE; THE COMINGLING OF DEMAND; THE SHORT SUPPLY OR ALLOCATED PRODUCT; WHERE DOES "OPTIMIZED" REPLENISHMENT NEED TO GO IN ORDER TO ENCOMPASS THE ENTIRE DISTRIBUTION CHAIN?; THE UPSTREAM REACTION; MOVING UPSTREAM REACTIONS INTO REAL REPLENISHMENT; Turn Volume versus Promotional Volume; The Single-Source/Single-Delivery/Short-Term Event; The Single-Source/Single-Delivery/Long-Term Event
The Multi-Source/Multi-Delivery/Single Event

Sommario/riassunto

"Use demand driven optimized inventory and replenishment to overcome your supply chain weaknesses, and deliver business-maximizing resultsReviewing the fundamentals of inventory optimization so that you can attain a demand-driven supply, Demand-Driven Inventory Optimization and Replenishment provides a business look at why present inventory systems sub-optimize the supply chain and faulty replenishment processes lead to wasted time and effort. Straightforward and clearly written, this book allowsreaders to come away with a good understanding of why optimized inventory and replenishment helps overcome in-system weaknesses and deliver results. Discusses how multi-echelon inventory optimization and replenishment enables installed systems to go from a sequential, "islands of efficiency" approach to a systematic distribution system working as a complete network Provides case studies throughout Reveals how optimized inventory and replenishment delivers results across industry verticals With a historical view of the three major supply chain efforts of the last thirty years, this book discusses mathematical shortcuts set up in the transitional and supply chain management systems that make it very difficult for companies to attain supply chain excellence"--