

Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering)

By Carol Ptak, Chad Smith

Download now

Read Online

Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering) By Carol Ptak, Chad Smith

"The definitive reference for the next generation of manufacturing practitioners and leaders." -- From the Foreword by Dave Turbide, CFPIM, CMfgE, CIRM, CSCP

"Finally, MRP has been brought into our new age where, in order to fight for increased share and profitability, manufacturers must not only cope with market volatility and supply chain variability, they must embrace it as a competitive weapon." -- Bob Reary, Fellow-level Certificate, APICS

A fully revised and updated edition of the landmark work on material requirements planning (MRP), *Orlicky's Material Requirements Planning*, Third Edition focuses on the new rules required to effectively support a manufacturing operation using MRP systems in the twenty-first century. This authoritative resource offers proven solutions that help you gain the competitive edge through strategic lead time reductions, substantial reductions in total inventory investment, and significant increases in service levels. This is an indispensable tool for manufacturing practitioners and anyone preparing for CPIM certification.

Coverage includes:

- Inventory in a manufacturing environment
- Principles of MRP
- MRP system
- Processing logic
- Lot sizing
- System records and files
- Product definition
- Master production schedule
- Inventory planning and control system
- System effectiveness
- Industry effect on MRP
- Project manufacturing
- Remanufacturing

- Process industry application
- Repetitive manufacturing application
- Sales and operations planning
- Evolution of MRP and planning systems
- Demand driven MRP (DDMRP) logic
- Strategic inventory positioning
- Dynamic buffers
- Demand driven planning
- Highly visible and collaborative execution
- DDMRP performance reporting and analytics
- DDMRP future

Building on the pioneering work of Joseph Orlicky, this new edition of the classic text on material requirements planning (MRP) reveals the next evolutionary step for materials and supply chain synchronization in the modern manufacturing landscape.

Orlicky's Material Requirements Planning, Third Edition reviews the poor business results embedded in many of today's manufacturing systems, discusses the core problems causing these results, explains an alternative pull structure for planning and controlling materials flow, and presents results from actual implementations.

This thoroughly updated edition offers comprehensive coverage of MRP, describes the current state of the MRP application, and identifies the fundamental changes required to achieve sustainable success given the current global circumstances and technology options. This state-of-the art guide articulates the next generation of MRP logic--demand driven MRP (DDMRP)--and provides a roadmap for the near and distant future for this critical manufacturing management tool.

Carol Ptak is currently a partner with the Demand Driven Institute, and was most recently at Pacific Lutheran University as Visiting Professor and Distinguished Executive in Residence. Previously, she was vice president and global industry executive for manufacturing and distribution industries at PeopleSoft where she developed the concept of demand driven manufacturing (DDM). Ms. Ptak spent four years at IBM Corporation culminating in the position of global SMB segment executive.

Chad Smith is cofounder and managing partner of Constraints Management Group, a services and technology company specializing in pull-based manufacturing, materials, and project management systems for mid-range and large manufacturers. He has been at the forefront of developing and articulating demand driven MRP and is also an internationally recognized expert on the theory of constraints (TOC).

Carol and Chad founded the Demand Driven Institute, an organization devoted to the proliferation and further development of demand driven strategies and tactics in industry.

Download Orlicky's Material Requirements Planning, Thi ...pdf

Read Online Orlicky's Material Requirements Planning, T ...pdf

Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering)

By Carol Ptak, Chad Smith

Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering) By Carol Ptak, Chad Smith

"The definitive reference for the next generation of manufacturing practitioners and leaders." -- From the Foreword by Dave Turbide, CFPIM, CMfgE, CIRM, CSCP

"Finally, MRP has been brought into our new age where, in order to fight for increased share and profitability, manufacturers must not only cope with market volatility and supply chain variability, they must embrace it as a competitive weapon." -- Bob Reary, Fellow-level Certificate, APICS

A fully revised and updated edition of the landmark work on material requirements planning (MRP), *Orlicky's Material Requirements Planning*, Third Edition focuses on the new rules required to effectively support a manufacturing operation using MRP systems in the twenty-first century. This authoritative resource offers proven solutions that help you gain the competitive edge through strategic lead time reductions, substantial reductions in total inventory investment, and significant increases in service levels. This is an indispensable tool for manufacturing practitioners and anyone preparing for CPIM certification.

Coverage includes:

- Inventory in a manufacturing environment
- Principles of MRP
- MRP system
- Processing logic
- Lot sizing
- System records and files
- Product definition
- Master production schedule
- Inventory planning and control system
- System effectiveness
- Industry effect on MRP
- Project manufacturing
- Remanufacturing
- Process industry application
- Repetitive manufacturing application
- Sales and operations planning
- Evolution of MRP and planning systems
- Demand driven MRP (DDMRP) logic
- Strategic inventory positioning
- Dynamic buffers
- Demand driven planning
- Highly visible and collaborative execution
- DDMRP performance reporting and analytics

- DDMRP future

Building on the pioneering work of Joseph Orlicky, this new edition of the classic text on material requirements planning (MRP) reveals the next evolutionary step for materials and supply chain synchronization in the modern manufacturing landscape.

Orlicky's Material Requirements Planning, Third Edition reviews the poor business results embedded in many of today's manufacturing systems, discusses the core problems causing these results, explains an alternative pull structure for planning and controlling materials flow, and presents results from actual implementations.

This thoroughly updated edition offers comprehensive coverage of MRP, describes the current state of the MRP application, and identifies the fundamental changes required to achieve sustainable success given the current global circumstances and technology options. This state-of-the art guide articulates the next generation of MRP logic--demand driven MRP (DDMRP)--and provides a roadmap for the near and distant future for this critical manufacturing management tool.

Carol Ptak is currently a partner with the Demand Driven Institute, and was most recently at Pacific Lutheran University as Visiting Professor and Distinguished Executive in Residence. Previously, she was vice president and global industry executive for manufacturing and distribution industries at PeopleSoft where she developed the concept of demand driven manufacturing (DDM). Ms. Ptak spent four years at IBM Corporation culminating in the position of global SMB segment executive.

Chad Smith is cofounder and managing partner of Constraints Management Group, a services and technology company specializing in pull-based manufacturing, materials, and project management systems for mid-range and large manufacturers. He has been at the forefront of developing and articulating demand driven MRP and is also an internationally recognized expert on the theory of constraints (TOC).

Carol and Chad founded the Demand Driven Institute, an organization devoted to the proliferation and further development of demand driven strategies and tactics in industry.

Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering) By Carol Ptak, Chad Smith Bibliography

- Sales Rank: #570711 in Books
- Published on: 2011-06-01
- Original language: English
- Number of items: 1
- Dimensions: 9.50" h x 1.30" w x 7.60" l, 2.45 pounds
- Binding: Hardcover
- 544 pages

Download Orlicky's Material Requirements Planning, Thi ...pdf

Read Online Orlicky's Material Requirements Planning, T ...pdf

Download and Read Free Online Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering) By Carol Ptak, Chad Smith

Editorial Review

About the Author

Carol Ptak is currently freelancing and was most recently at Pacific Lutheran University as Visiting Professor and Distinguished Executive in Residence after years of executive management experience at PeopleSoft and IBM Corporation as well as many years of consulting expertise. Previously, Ptak served as the vice president and global industry executive for manufacturing and distribution industries at PeopleSoft. Here she developed the concept of Demand Driven Manufacturing (DDM) as an overall product and marketing strategy to align product development, market awareness and demand generation. Her innovative approach is credited with significantly improving the company’s position in the manufacturing industry software market and earned her national recognition in publications such as CFO Magazine and the New York Times. Prior to her accomplished record at PeopleSoft, Ptak spent four years at IBM Corporation starting as a member of the worldwide ERP/SCM solutions sales team and quickly rising to the position of global SMB segment executive. From 1993-98, Ptak owned Eagle Enterprises, a consulting firm that promotes company-wide excellence through education and successful implementation.

Chad Smith is the co-founder and Managing Partner of Constraints Management Group (CMG: www.thoughtwarepeople.com), a services and technology company specializing in pull-based manufacturing, materials, and project management systems for mid-range and large manufacturers. Clients include LeTourneau Technologies, Boeing, Intel, Erickson Air-Crane, Siemens, IBM, The Charles Machine Works (Ditch Witch), and Oregon Freeze Dry. Chad and his partners have been at the forefront of developing and articulating Demand Driven MRP. Chad is also an internationally recognized expert in the Theory of Constraints (TOC).

Users Review

From reader reviews:

Frank Johnson:

Do you have favorite book? If you have, what is your favorite's book? Publication is very important thing for us to learn everything in the world. Each guide has different aim or even goal; it means that book has different type. Some people sense enjoy to spend their the perfect time to read a book. These are reading whatever they have because their hobby is reading a book. How about the person who don't like reading a book? Sometime, man or woman feel need book if they found difficult problem as well as exercise. Well, probably you should have this Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering).

Mary Hanlon:

As people who live in the modest era should be change about what going on or data even knowledge to make these individuals keep up with the era which can be always change and move ahead. Some of you maybe will update themselves by looking at books. It is a good choice for yourself but the problems coming to you actually is you don't know which you should start with. This Orlicky's Material Requirements Planning,

Third Edition (Mechanical Engineering) is our recommendation to help you keep up with the world. Why, as this book serves what you want and want in this era.

Amber Payne:

Reading a book to get new life style in this season; every people loves to examine a book. When you learn a book you can get a lot of benefit. When you read publications, you can improve your knowledge, mainly because book has a lot of information upon it. The information that you will get depend on what forms of book that you have read. If you wish to get information about your analysis, you can read education books, but if you act like you want to entertain yourself look for a fiction books, this kind of us novel, comics, and also soon. The Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering) provide you with new experience in reading through a book.

Melissa Ray:

On this era which is the greater person or who has ability to do something more are more precious than other. Do you want to become considered one of it? It is just simple way to have that. What you need to do is just spending your time not much but quite enough to enjoy a look at some books. One of many books in the top checklist in your reading list will be Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering). This book and that is qualified as The Hungry Mountains can get you closer in growing to be precious person. By looking upward and review this publication you can get many advantages.

Download and Read Online Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering) By Carol Ptak, Chad Smith #0GHQ3LZA426

Read Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering) By Carol Ptak, Chad Smith for online ebook

Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering) By Carol Ptak, Chad Smith Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering) By Carol Ptak, Chad Smith books to read online.

Online Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering) By Carol Ptak, Chad Smith ebook PDF download

Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering) By Carol Ptak, Chad Smith Doc

Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering) By Carol Ptak, Chad Smith Mobipocket

Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering) By Carol Ptak, Chad Smith EPub