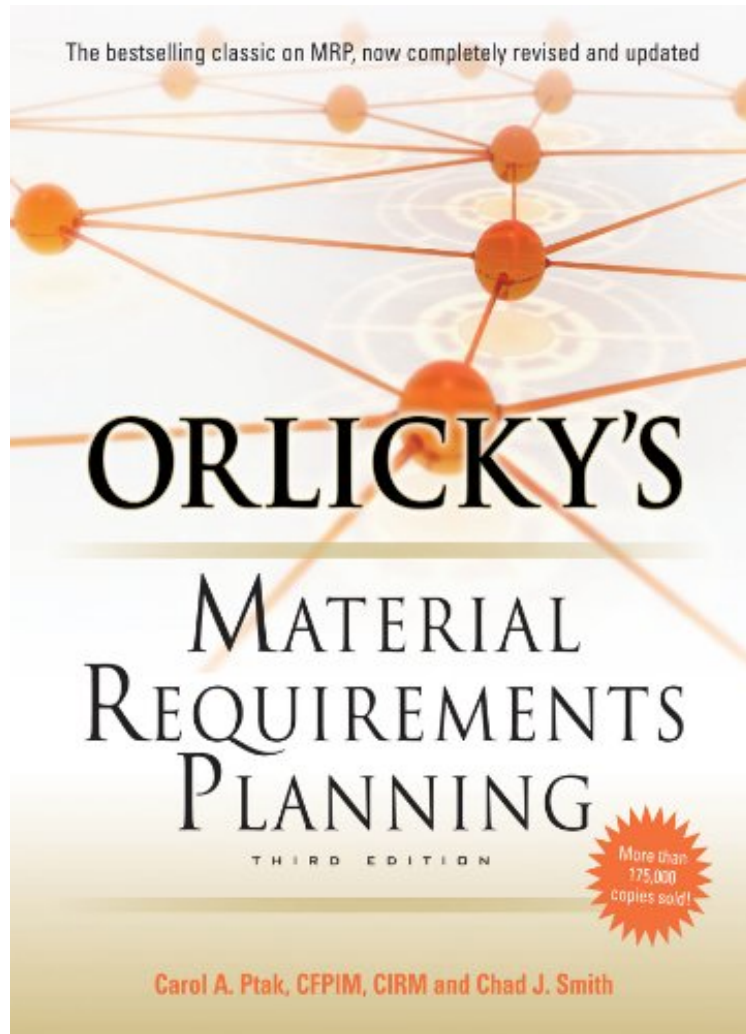


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Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering)

Carol A Ptak, Chad Smith
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Carol A Ptak, Chad Smith : Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering) before purchasing it in order to gage whether or not it would be worth my time, and all praised Orlicky's Material Requirements Planning, Third Edition (Mechanical Engineering):

12 of 12 people found the following review helpful. Welcome DDMRP!!! A new way of thinkingBy Ryan - MBA, Lean Six Sigma Black BeltWell done! This book is going to bring alignment to the Operational Excellence (LSS) Team and Supply Chain with its understanding of what MRP is suppose to do and what it is capable of doing, BUT realizes change was needed from the traditional way of MRP thinking to adapt to a more dynamic business environment.My schooling and career has exposed me to MRP but wouldn't call myself a true supporter of it, I find

myself very often getting push back on trying to eliminate the need to forecast and let it be the driving force behind our business decisions, such as scheduling and inventory control. I have more of a Lean Six Sigma background, and have been waiting for something like this to come along for a long time! Welcome DDMRP!!! Chad and Carol do an excellence job of explaining how MRP came to be what it is today and why the change is needed with great explanation and examples. I would recommend this book to anyone from Supply Chain, Finance, and Operation functions as well as a Lean/TOC function to help seek to understand how there is a win/win for the entire enterprise. 0 of 0 people found the following review helpful. An MRP specification By Jano Perfect. I use it as a specification for an MRP system I have to develop. It also a very good help to understand the logic behind SAP/MM-PP even though it does not even mentions any concrete MRP software. It is definitively the best book in my technical library. Not a quick read though (one chapter per day.. Maybe feasible.. It took me more than a month to read it completely) but I love the way authors detail every aspect of the MRP topic including many key areas in manufacturing. Every sentence... Even every word is very important. No wasted pages or unnecessary blabla. Since I like to highlight important sentences with liquid fluorescent ink (as seen in the attached photo) I am also pleased with the quality of the paper. 2 of 2 people found the following review helpful. Belongs in any operations professional's library By Mr. Practical This is the bible of materials planning. It is not a quick how-to book that one can read in a week and be an expert. It can however serve as an in depth handbook for reference. While it starts with the very basics of inventory management it does require some background knowledge in materials management to get the best from the text. Orlicky's is one of the top 5 books that should be in the professional operations manager's library.

The classic MRP work up-to-date with new information on supply chain synchronization Thoroughly revised, Orlicky's Material Requirements Planning, Third Edition reviews the poor business results embedded in most of today's business systems; discusses the core problems causing the results; presents and discusses an alternative pull structure for planning and controlling materials flow; and presents initial results from actual implementations. This new edition reveals the next evolutionary step for materials and supply chain synchronization in the modern manufacturing landscape. This update describes: A solution to a chronic MRP-related problem that plagues many manufacturers: shortages of materials, components that block the smooth flow of work through the plant A competitive edge through strategic lead time reductions Significant reductions in total inventory investment Significant increases in service levels This new edition helps companies tackle three pervasive problems: unacceptable inventory performance; unacceptable service level performance; and high related expenses and waste. New to This Edition: New section on manufacturing as the heart of the supply chain management, and specific challenges in the 21st century Covers supply chain management (SCM) and distribution requirements planning (DRP) Discusses the impact of Lean and the Toyota Production System Update of integration software Reviews the emergence of demand-driven strategies and the MRP "conflict" Introduces the new concept of ASR (Actively Synchronized Replenishment) and explains how to incorporate it into business processes Explains positioning and how Six Sigma can help achieve results In-depth discussion of buffers — how to size, maintain, and adjust them New chapter on using MRP tools across the supply chain to enable pull-based approaches New case studies which illustrating the techniques described in the book Comprehensive coverage: The Whole and Its Parts; Manufacturing as a Process; Inventory Management; Prerequisites of MRP 3.0; Traditional Methodology; MRP Logic; Keeping MRP Up to Date; Lot Sizing and Safety Stock; Data Requirements and Management; MRP 3.0; Traditional MRP in Today's Environment; MRP 3.0 Component 1 — Strategic Inventory Positioning; Component 2 — Buffer Level Profiling; Component 3 — Dynamic Buffer Maintenance; Component 4 — Pull-Based Demand Generation; Component 5 — Highly Visible and Collaborative Execution; Dynamic Buffer Level Profiling; ASR Demand Generation; Applications; Developing Valid Inputs; Making Outputs Useful; Demand Driven Philosophies and MRP; Engineer to Order Environments; Lessons of the Past; Present State; The Future of MRP 3.0