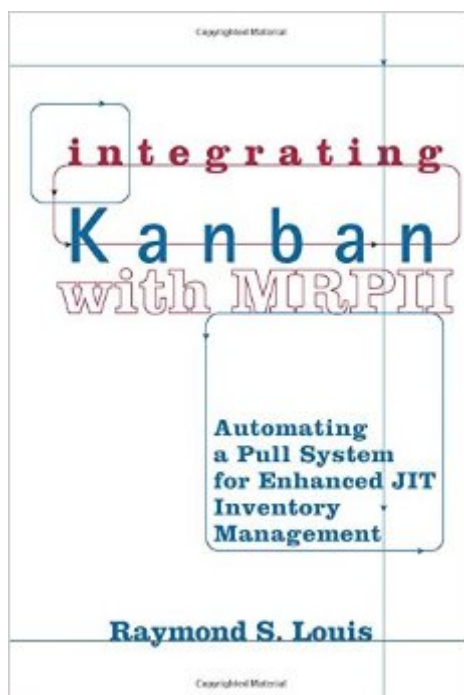


The book was found

# Integrating Kanban With MRPII: Automating A Pull System For Enhanced JIT Inventory Management



## Synopsis

If you manage inventory, you probably use MRPII, a system based on a push method that embraces work and purchase order execution. MRPII helps you plan and integrate data relevant to your entire organization. But, when you have shifts in demand, you have to: 1) Realign and cancel hundreds of open manufacturing and purchase orders, and then 2) issue new orders. Another system, kanban, is designed specifically to replenish inventory in just-in-time manufacturing. As consumption occurs, the kanban manual system triggers replenishment signals to the source of supply, so that both production and the supplier are constantly reacting to actual consumption. Compared to MRPII, kanban lowers inventory and minimizes shortages. But the manual process of recalculating every part number by hand, and triggering replenishment by faxing or calling suppliers, is time consuming and non-value-adding. Automating kanban by blending the planning strength of MRPII with manual kanban pull methods enhances your flexibility and competitive position. MRP's forward projection capability is used to: recalculate kanban lot size. perform a simulation to protect against non-linear demand. inform production areas and suppliers of the anticipated demand levels for resource planning. calculate staffing requirements for flexible work cells. This system: Automatically recalculates and triggers replenishment. Integrates suppliers into the manufacturing loop. Uses bar codes to enhance speed and accuracy of the receipt process. Before moving in this direction, preparatory work is required. Work cells should be constructed with material located at the point of use. Container options and transportation methods need to be selected, kanban lot size calculations, and work cell staffing modules to develop. This book will help you deal with these and other topics. You will be able to take advantage of the author's expertise in the design, implementation and evaluation of these systems.

## Book Information

Paperback: 248 pages

Publisher: Productivity Press (February 28, 2005)

Language: English

ISBN-10: 1563273233

ISBN-13: 978-1563273230

Product Dimensions: 6 x 0.6 x 9 inches

Shipping Weight: 12.8 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,854,838 in Books (See Top 100 in Books) #514 in Books > Business &

Money > Processes & Infrastructure > Purchasing & Buying #578 inÂ Books > Business & Money > Industries > Manufacturing #616 inÂ Books > Business & Money > Industries > Industrial Relations

[Download to continue reading...](#)

Integrating Kanban with MRPII: Automating a Pull System for Enhanced JIT Inventory Management  
Kanban: The Kanban Guide for the Business, Agile Project Manager, Scrum Master, Product Owner, and Development Support Team  
Kanban, The Kanban guide, For the Business, Agile Project Manager, Scrum Master, Product Owner and Development Support Team (Toyota way, Toyota,) Buses (Pull Ahead Books) (Pull Ahead Books (Paperback)) Concrete Mixers (Pull Ahead Books) (Pull Ahead Books (Paperback)) Cranes (Pull Ahead Books) (Pull Ahead Books (Paperback)) Motorcycles (Pull Ahead Books) (Pull Ahead Books (Paperback)) Fighter Planes (Pull Ahead Books) (Pull Ahead Books (Paperback)) Helicopters (Pull Ahead Books) (Pull Ahead Books (Paperback)) Stock Cars (Pull Ahead Books) (Pull Ahead Books (Paperback)) Supercross Motorcycles (Pull Ahead Books) (Pull Ahead Books (Paperback)) Automating Linux and Unix System Administration (Expert's Voice in Linux) Automating System Administration with Perl: Tools to Make You More Efficient Enhanced Microsoft Office 2013: Introductory (Microsoft Office 2013 Enhanced Editions) Enhanced Microsoft Excel 2013: Comprehensive (Microsoft Office 2013 Enhanced Editions) Enhanced Microsoft PowerPoint 2013: Comprehensive (Microsoft Office 2013 Enhanced Editions) Enhanced Microsoft Access 2013: Comprehensive (Microsoft Office 2013 Enhanced Editions) Decision Systems for Inventory Management and Production Planning (Wiley Series in Production/Operations Management) Agile Project Management with Kanban (Developer Best Practices) Design and Implementation of a Three-Tiered Web-Based Inventory Ordering and Tracking System Prototype Using CORBA and Java

[Dmca](#)