



SUPPLY CHAIN PLANNING FOR THE PROCESS INDUSTRY

By Harpal Singh, PhD

Process manufacturing, in which formulas and recipes are turned into product, represents a different set of supply chain concerns than discrete manufacturing's bills of materials and routing. This book outlines the key characteristics of process manufacturing, and the tools required to support demand and supply planning, material flow conservation, and scheduling. Examples provide an in-depth look at the chemical, food, and semiconductor industries.

KEY TAKEAWAYS: Process manufacturing's unique characteristics require specialized supply chain solutions that can cope with managing material delivery and capacity utilization simultaneously.

FOR DETAILS: www.supplychain.com

REMANUFACTURING AS A SUPPLY CHAIN STRATEGY: Business Models and Case Studies

By Pinar Martin

Manufacturers are increasingly urged to reduce waste and establish sustainable manufacturing practices. Companies that manage their closed-loop supply chains by taking advantage of returned products have the potential to make waste reduction profitable. But as closed-loop supply chains evolved swiftly, and the value trapped in products increased dramatically, managers lacked the resources to create successful remanufacturing business models. To guide companies in planning closed-loop supply chains, the author provides a business model developed through extensive data analysis and scientific research. Business model examples from Fortune 100 companies offer real-world perspective.

KEY TAKEAWAYS: Managers will find the relationship between brand capital, intellectual property and assets, and the decision to outsource intriguing. Case studies conducted at companies such as Bosch, Hewlett-Packard, and Xerox provide valuable learning opportunities.

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OPERATIONS RULES:

Delivering Customer Value Through Flexible Operations

By David Simchi-Levi

Companies tend to consider the value they provide to customers and operations strategies as two separate processes. Many real-world examples, however, illustrate the need to link the two, and failure to do so can be disastrous, claims Simchi-Levi, a professor of engineering systems at MIT. In *Operations Rules*, he gives business leaders the tools to understand how to improve operations via a new customer-value perspective.

KEY TAKEAWAYS: Managers and executives can address strategy misalignments by making small-scale operations adjustments that can deliver big results. They must weigh their options, however, because operational and supply chain strategies, the market channel, and even the skill sets required to be successful, depend on the value a company intends to deliver.

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