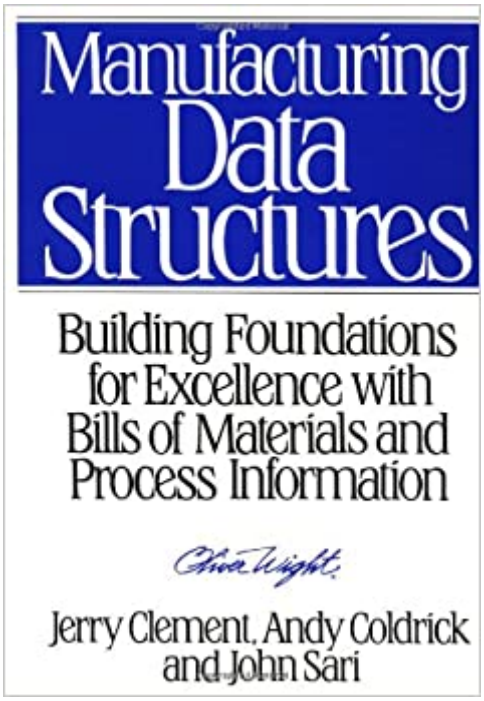
Manufacturing Data Structures: Building Foundations For Excellence With Bills Of Materials And Process Information



Synopsis

Manufacturing Data Structures "Comprehensive yet easy-to-read.Manufacturing Data Structures is filled with anecdotes, yet stresses the importance of maintaining data accuracy. It is valuable reading for all manufacturing managers." Jim Carnall Manufacturing Manager, Eastman Kodak "An entertaining and informative look at an important aspect of day to day business in the MRP II environment. It clearly shows how data structuring methodology can be directly applied to process industries such as the Personal Products/Health and Beauty business." Jeff L. Stevens Manager, Packaging Sciences, Chesebrough-Ponds Canada "Manufacturing Data Structures shows, in a very practical way, how manufacturing data can be used as a competitive weapon. It’s a comprehensive guide, filled with solutions to everyday problems." Jim Hendrickson Plant Manager, Reckitt & Colman "An excellent book.Very useful on the subject of data foundations for manufacturing. It has suggested further opportunities for improvement in my own organisation." R.A. Watson Rolls-Royce Motor Cars "Manufacturing Data Structures will be of immense value to the practitioner." Chris Cage ICI Pharmaceuticals

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Customer Reviews

The final word on effectively managing the planning and control of information that’s essential to making an operation competitive and market responsive. A practical guide to the subject, this book shows manufacturers how to build accurate and complete information foundations with bills of

material and routings.

Manufacturing Data Structures Jerry Clement, Andy Coldrick and John sari In Today’s competitive manufacturing environment, having the right planning and control information is essential. Manufacturing Data Structures is the final word on effectively creating and managing this vital aspect of every manufacturing business. Packed with the latest techniques, it shows companies how to build accurate and complete data foundations with bills of materials and routings. Each of the following are among the important areas discussed in an easy-to-follow, step-by-step approach: Using bills of materials and routings to plan and control resources for manufacturing Implementing a coherent data system designed to support all company functions Ensuring the accuracy of critical information Simplifying and "flattening" bills of materials and routings Planning for custom product manufacturing or product remanufacturing Managing engineering change control Formulating a data control and planning system for process businesses Devising continuous improvement techniques for both job shops and flow shops

This book is an essential reference for ERP analysts, developers and DBAs. It is unique in that it addresses data requirements for materials management within the context of manufacturing processes, with an emphasis on bills of materials.The chapter on engineering change control stands out because this aspect of both data structures and process change management are not covered (or only lightly touched upon) in other ERP references. This chapter and its companion on implementing change add significant value to the book and reflect mature and best practices. I also liked the chapter on new product introduction and custom manufacturing because these aspects of the manufacturing process come with a different set of challenges and requirements from steady production processes.Regardless of whether you’re using SAP, Baan or another ERP package (or are developing custom applications to automate manufacturing materials management) this book will expose the relevant details of the data structures, which are the foundation of any application.

Data Analysis to Advance Any Business Using the Power of Data Driven Analytics (Big Data Analytics, Data Science, Business Intelligence Book 6) Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data) Building Construction Cost with Rsmeans Data (Means Building Construction Cost Data) RSMeans Building Construction Cost Data 2012 (Means Building Construction Cost Data) Building Construction Cost Data (Means Building Construction Cost Data) Open Shop Building Costs with Rsmeans Data (Rsmeans Open Shop Building Construction Costs Data) Java Software Structures: Designing and Using Data Structures (4th Edition) Composites Manufacturing: Materials, Product, and Process Engineering Starting Out with Java: From Control Structures through Data Structures (3rd Edition) Data Structures and Algorithms Made Easy in Java: Data Structure and Algorithmic Puzzles Biomimetic Materials And Design: Biointerfacial Strategies, Tissue Engineering And Targeted Drug Delivery (Manufacturing Engineering & Materials Processing) Additive Manufacturing Technologies: 3D Printing, Rapid Prototyping, and Direct Digital Manufacturing Composite Materials: Materials, Manufacturing, Analysis, Design and Repair Supply Chain Management in Manufacturing + Inventory Control in Manufacturing: 2 Books in 1 ISO 22716:2007, Cosmetics - Good Manufacturing Practices (GMP) - Guidelines on Good Manufacturing Practices Manufacturing with Materials (Materials in Action)