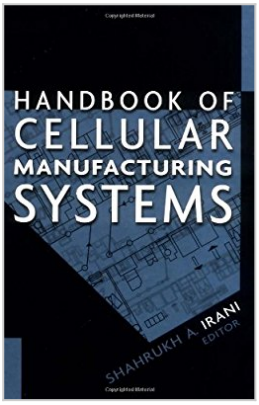

Handbook of Cellular Manufacturing Systems

From Wiley-Interscience

Handbook of Cellular Manufacturing Systems From Wiley-Interscience

A hands-on guide to implementing multi-cell manufacturing systems on a large scale.

Cellular manufacturing (CM) is the grouping of similar products for manufacture in discrete multi-machine cells. It has been proven to yield faster production cycles, lower in-process inventory levels, and enhanced product quality.

Pioneered on a large scale by Russian, British, and German manufacturers, interest in CM methods has grown steadily over the past decade. However, there continues to be a dearth of practical guides for industrial engineers and production managers interested in implementing CM techniques in their plants. Bringing together contributions by an international team of CM experts, the Handbook of Cellular Manufacturing Systems bridges this gap in the engineering literature. With the help of numerous in-depth case studies drawn from a wide range of industries, the Handbook covers:
* History and basic principles of cellular manufacturing.
* Methods for cell formation, layout, and scheduling of large manufacturing systems.
* Setup time reduction techniques.
* Quality control in CM.
* Benchmarking and performance evaluation of cells.
* Financial costs and benefits of CM versus traditional approaches.
* Human resources and team development issues in CM.
* Computer-aided methods and tools for planning, designing, implementing, and managing cells in manufacturing plants.

The Handbook of Cellular Manufacturing Systems is an indispensable resource for industrial engineers and production managers interested in implementing this exciting new alternative to conventional manufacturing system configurations.

Handbook of Cellular Manufacturing Systems

From Wiley-Interscience

Handbook of Cellular Manufacturing Systems From Wiley-Interscience

A hands-on guide to implementing multi-cell manufacturing systems on a large scale.

Cellular manufacturing (CM) is the grouping of similar products for manufacture in discrete multi-machine cells. It has been proven to yield faster production cycles, lower in-process inventory levels, and enhanced product quality.

Pioneered on a large scale by Russian, British, and German manufacturers, interest in CM methods has grown steadily over the past decade. However, there continues to be a dearth of practical guides for industrial engineers and production managers interested in implementing CM techniques in their plants. Bringing together contributions by an international team of CM experts, the Handbook of Cellular Manufacturing Systems bridges this gap in the engineering literature. With the help of numerous in-depth case studies drawn from a wide range of industries, the Handbook covers:
* History and basic principles of cellular manufacturing.
* Methods for cell formation, layout, and scheduling of large manufacturing systems.
* Setup time reduction techniques.
* Quality control in CM.
* Benchmarking and performance evaluation of cells.
* Financial costs and benefits of CM versus traditional approaches.
* Human resources and team development issues in CM.
* Computer-aided methods and tools for planning, designing, implementing, and managing cells in manufacturing plants.

The Handbook of Cellular Manufacturing Systems is an indispensable resource for industrial engineers and production managers interested in implementing this exciting new alternative to conventional manufacturing system configurations.

Handbook of Cellular Manufacturing Systems From Wiley-Interscience Bibliography

- Sales Rank: #2515724 in Books
- Published on: 1999-04-15
- Original language: English
- Number of items: 1
- Dimensions: 9.60" h x 1.72" w x 6.60" l, 2.65 pounds
- Binding: Hardcover
- 776 pages

Editorial Review

From the Back Cover
A hands-on guide to implementing multi-cell manufacturing systems on a large scale.

Cellular manufacturing (CM) is the grouping of similar products for manufacture in discrete multi-machine cells. It has been proven to yield faster production cycles, lower in-process inventory levels, and enhanced product quality.

Pioneered on a large scale by Russian, British, and German manufacturers, interest in CM methods has grown steadily over the past decade. However, there continues to be a dearth of practical guides for industrial engineers and production managers interested in implementing CM techniques in their plants. Bringing together contributions by an international team of CM experts, the *Handbook of Cellular Manufacturing Systems* bridges this gap in the engineering literature. With the help of numerous in-depth case studies drawn from a wide range of industries, the Handbook covers:

- History and basic principles of cellular manufacturing.
- Methods for cell formation, layout, and scheduling of large manufacturing systems.
- Setup time reduction techniques.
- Quality control in CM.
- Benchmarking and performance evaluation of cells.
- Financial costs and benefits of CM versus traditional approaches.
- Human resources and team development issues in CM.
- Computer-aided methods and tools for planning, designing, implementing, and managing cells in manufacturing plants. The *Handbook of Cellular Manufacturing Systems* is an indispensable resource for industrial engineers and production managers interested in implementing this exciting new alternative to conventional manufacturing system configurations.

About the Author
SHAHRUKH A. IRANI, PhD, is an assistant professor in the Department of Industrial, Welding, and Systems Engineering at The Ohio State University, specializing in cellular manufacturing systems, facility layout, group technology, process planning, lean manufacturing, and production control.

Users Review

From reader reviews:

Gregory Jones:

The book Handbook of Cellular Manufacturing Systems can give more knowledge and also the precise product information about everything you want. Exactly why must we leave a good thing like a book Handbook of Cellular Manufacturing Systems? Several of you have a different opinion about reserve. But one aim this book can give many info for us. It is absolutely correct. Right now, try to closer with the book. Knowledge or information that you take for that, it is possible to give for each other; you can share all of these. Book Handbook of Cellular Manufacturing Systems has simple shape but you know: it has great and big function for you. You can search the enormous world by open and read a e-book. So it is very wonderful.

Jennifer Larson:

This book untitled Handbook of Cellular Manufacturing Systems to be one of several books that best seller in this year, honestly, that is because when you read this guide you can get a lot of benefit upon it. You will easily to buy this specific book in the book retail outlet or you can order it by way of online. The publisher in this book sells the e-book too. It makes you quickly to read this book, because you can read this book in your Smartphone. So there is no reason for you to past this guide from your list.

Susan Demar:

The actual book Handbook of Cellular Manufacturing Systems will bring that you the new experience of reading some sort of book. The author style to elucidate the idea is very unique. If you try to find new book you just read, this book very appropriate to you. The book Handbook of Cellular Manufacturing Systems is much recommended to you to learn. You can also get the e-book from your official web site, so you can more readily to read the book.

Doris Blair:

What is your hobby? Have you heard which question when you got pupils? We believe that that concern was given by teacher to their students. Many kinds of hobby, Every person has different hobby. So you know that little person like reading or as reading through become their hobby. You have to know that reading is very important in addition to book as to be the point. Book is important thing to add you knowledge, except your own teacher or lecturer. You get good news or update in relation to something by book. A substantial number of sorts of books that can you go onto be your object. One of them is this Handbook of Cellular Manufacturing Systems.

Read Handbook of Cellular Manufacturing Systems From Wiley-Interscience for online ebook

Handbook of Cellular Manufacturing Systems From Wiley-Interscience 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 Handbook of Cellular Manufacturing Systems From Wiley-Interscience books to read online.

Online Handbook of Cellular Manufacturing Systems From Wiley-Interscience ebook PDF download

Handbook of Cellular Manufacturing Systems From Wiley-Interscience Doc

Handbook of Cellular Manufacturing Systems From Wiley-Interscience Mobipocket

Handbook of Cellular Manufacturing Systems From Wiley-Interscience EPub