



# Handbook of Industrial Mixing: Science and Practice

By Edward L. Paul, Victor Atiemo-Obeng, Suzanne M. Kresta, North American Mixing Forum

[Download now](#)

[Read Online](#) 

**Handbook of Industrial Mixing: Science and Practice** By Edward L. Paul, Victor Atiemo-Obeng, Suzanne M. Kresta, North American Mixing Forum

Handbook of Industrial Mixing will explain the difference and uses of a variety of mixers including gear mixers, top entry mixers, side entry mixers, bottom entry mixers, on-line mixers, and submerged mixers. The Handbook discusses the trade-offs among various mixers, concentrating on which might be considered for a particular process. Handbook of Industrial Mixing explains industrial mixers in a clear concise manner, and also:

- \* Contains a CD-ROM with video clips showing different type of mixers in action and a overview of their uses.
- \* Gives practical insights by the top professional in the field.
- \* Details applications in key industries.
- \* Provides the professional with information he did receive in school

 [Download Handbook of Industrial Mixing: Science and Practice ...pdf](#)

 [Read Online Handbook of Industrial Mixing: Science and Practice ...pdf](#)

# **Handbook of Industrial Mixing: Science and Practice**

*By Edward L. Paul, Victor Atiemo-Obeng, Suzanne M. Kresta, North American Mixing Forum*

**Handbook of Industrial Mixing: Science and Practice** By Edward L. Paul, Victor Atiemo-Obeng, Suzanne M. Kresta, North American Mixing Forum

Handbook of Industrial Mixing will explain the difference and uses of a variety of mixers including gear mixers, top entry mixers, side entry mixers, bottom entry mixers, on-line mixers, and submerged mixers. The Handbook discusses the trade-offs among various mixers, concentrating on which might be considered for a particular process. Handbook of Industrial Mixing explains industrial mixers in a clear concise manner, and also:

- \* Contains a CD-ROM with video clips showing different type of mixers in action and a overview of their uses.
- \* Gives practical insights by the top professional in the field.
- \* Details applications in key industries.
- \* Provides the professional with information he did receive in school

**Handbook of Industrial Mixing: Science and Practice** By Edward L. Paul, Victor Atiemo-Obeng, Suzanne M. Kresta, North American Mixing Forum **Bibliography**

- Sales Rank: #1286814 in Books
- Published on: 2003-11-21
- Original language: English
- Number of items: 1
- Dimensions: 9.60" h x 3.30" w x 6.20" l, 5.00 pounds
- Binding: Hardcover
- 1448 pages

 [Download Handbook of Industrial Mixing: Science and Practice ...pdf](#)

 [Read Online Handbook of Industrial Mixing: Science and Practice ...pdf](#)

## Download and Read Free Online Handbook of Industrial Mixing: Science and Practice By Edward L. Paul, Victor Atiemo-Obeng, Suzanne M. Kresta, North American Mixing Forum

---

### Editorial Review

#### Review

"...will prove invaluable to anyone faced with a mixing analysis or mixing design problem. The editors and authors have produced a very useful handbook." (*AICHE Journal*, April 2006)

"...useful for guidance and direction...a good overview of the commonly available types of equipment used in industry today." (*IEEE Electrical Insulation Magazine*, September/October 2005)

"...a comprehensive handbook that provides excellent coverage on the fundamentals, design, and applications of current mixing technology..." (*IEEE Electrical Insulation Magazine*, January/February 2005)

“...the most comprehensive, definitive and up-to-date treatise on industrial mixing available anywhere...a 'must buy' for all engineers whose work regularly involves mixing or mixing-related problems.” (*Chemical Engineering Progress*, August 2004)

“A very worthwhile book” (*The Chemical Engineer*, September 2004)

“...is the most comprehensive of the mixing handbooks currently available...a must have for any company doing mixing at the industrial level.” (*E-STREAMS*, July 2004)

#### From the Back Cover

Practical insights from the leading professionals in the field

While process objectives are critical to the successful manufacturing of a product, if the mixing scale-up fails to produce the required results, the costs of manufacturing can increase significantly. Although there are several industrial operations in which mixing requirements are readily scaled up from established correlations, many operations require a more thorough evaluation. This comprehensive handbook presents the latest methods for recognizing these more complex operations and offers alternative mixing designs for critical applications. The core mixing design topics discussed are:

- Homogeneous blending in tanks and in-line mixers
- Dispersion of gases in liquids with subsequent mass transfer
- Suspension and distribution of solids in liquids
- Liquid-liquid dispersions
- Heat transfer
- Reactions, both homogeneous and heterogeneous

Along with focusing on industrial design and the operation of mixing equipment, the Handbook of Industrial Mixing contains summaries of the foundations on which these applications are based. In order to accomplish this, most chapters are written by both an industrialist and an academic. Intended for the practicing engineer who needs to both identify and solve mixing problems, this book also provides concise discussions on theoretical background and uses many illustrative examples when covering applications, and it includes a CD-ROM that contains over fifty video clips and animations of mixing processes. These clips are accompanied by explanatory text.

## About the Author

**EDWARD L. PAUL** has over thirty-five years' experience in process development with Merck & Co., Inc.

**VICTOR A. ATIEMO-OBENG** is a scientist in the Engineering Science and Market Development department at The Dow Chemical Company.

**SUZANNE M. KRESTA** is a professor in the Department of Chemical and Materials Engineering at the University of Alberta.

## Users Review

### From reader reviews:

#### **Mamie Wilson:**

The reserve with title Handbook of Industrial Mixing: Science and Practice includes a lot of information that you can study it. You can get a lot of gain after read this book. This particular book exist new know-how the information that exist in this book represented the condition of the world right now. That is important to you to find out how the improvement of the world. This book will bring you with new era of the syndication. You can read the e-book on your smart phone, so you can read this anywhere you want.

#### **Julia Gilmore:**

People live in this new day of lifestyle always make an effort to and must have the extra time or they will get lots of stress from both way of life and work. So , if we ask do people have spare time, we will say absolutely sure. People is human not only a robot. Then we ask again, what kind of activity are you experiencing when the spare time coming to an individual of course your answer will unlimited right. Then do you try this one, reading books. It can be your alternative with spending your spare time, the particular book you have read will be Handbook of Industrial Mixing: Science and Practice.

#### **Dan Flood:**

Reading can called imagination hangout, why? Because if you find yourself reading a book specifically book entitled Handbook of Industrial Mixing: Science and Practice your mind will drift away trough every dimension, wandering in each aspect that maybe unidentified for but surely might be your mind friends. Imaging each word written in a publication then become one contact form conclusion and explanation in which maybe you never get just before. The Handbook of Industrial Mixing: Science and Practice giving you one more experience more than blown away the mind but also giving you useful details for your better life in this era. So now let us show you the relaxing pattern the following is your body and mind will probably be pleased when you are finished examining it, like winning a game. Do you want to try this extraordinary spending spare time activity?

#### **Michael Blossom:**

As we know that book is very important thing to add our knowledge for everything. By a publication we can

know everything you want. A book is a set of written, printed, illustrated or perhaps blank sheet. Every year seemed to be exactly added. This reserve Handbook of Industrial Mixing: Science and Practice was filled concerning science. Spend your time to add your knowledge about your research competence. Some people has different feel when they reading a book. If you know how big selling point of a book, you can experience enjoy to read a e-book. In the modern era like right now, many ways to get book which you wanted.

**Download and Read Online Handbook of Industrial Mixing:  
Science and Practice By Edward L. Paul, Victor Atiemo-Obeng,  
Suzanne M. Kresta, North American Mixing Forum  
#MEPRSO9HT0L**

# **Read Handbook of Industrial Mixing: Science and Practice By Edward L. Paul, Victor Atiemo-Obeng, Suzanne M. Kresta, North American Mixing Forum for online ebook**

Handbook of Industrial Mixing: Science and Practice By Edward L. Paul, Victor Atiemo-Obeng, Suzanne M. Kresta, North American Mixing Forum 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 Industrial Mixing: Science and Practice By Edward L. Paul, Victor Atiemo-Obeng, Suzanne M. Kresta, North American Mixing Forum books to read online.

## **Online Handbook of Industrial Mixing: Science and Practice By Edward L. Paul, Victor Atiemo-Obeng, Suzanne M. Kresta, North American Mixing Forum ebook PDF download**

**Handbook of Industrial Mixing: Science and Practice By Edward L. Paul, Victor Atiemo-Obeng, Suzanne M. Kresta, North American Mixing Forum Doc**

**Handbook of Industrial Mixing: Science and Practice By Edward L. Paul, Victor Atiemo-Obeng, Suzanne M. Kresta, North American Mixing Forum MobiPocket**

**Handbook of Industrial Mixing: Science and Practice By Edward L. Paul, Victor Atiemo-Obeng, Suzanne M. Kresta, North American Mixing Forum EPub**