



Food and Package Engineering

By Scott A. Morris

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For the first time, engineering for the packaging industry – and for the biggest packaging user, food processing – is presented in a way that clearly demonstrates its interconnected, globally integrated nature. *Food and Package Engineering* is a groundbreaking work that serves as a comprehensive guide to the complexities and the potential of the industry.

Packaging draws on nearly every aspect of science, technology, business, social science, and engineering. Rather than present a traditionally linear view of these topics, the author takes a "Packaging Cycle" approach by guiding readers through the life of the package from raw materials and conversion, operations, distribution, retail, all the way to recycling or disposal by the consumer. *Food and Package Engineering* includes many essential topics usually not addressed in other food engineering or packaging texts, including:

- Raw materials production and conversion
- Inventory management and production scheduling
- Regulations, security and food safety
- Recycling and landfill issues
- Transportation systems and distribution packaging
- Evaluation of developing technologies

The comprehensive approach of this volume provides a framework to discuss critical interrelated topics such as economics, politics, and natural resources.

Intended for readers with varying levels of experience, *Food and Package Engineering* provides multi-level accessibility to each topic, allowing both students and professionals to find useful information and develop technical expertise. Rather than being a simple exposition of technical knowledge, the book provides both real-world examples and challenging problems that require consideration at several different levels.

Extensively illustrated and meticulously researched, *Food and Package Engineering* offers both a technical and a real-world perspective of the field. The text serves the student or industry professional at any level or background as an outstanding learning and reference work for their professional preparation and practice.

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Food and Package Engineering By Scott A. Morris Bibliography

- Sales Rank: #1843095 in Books
- Brand: Brand: Wiley-Blackwell
- Published on: 2011-08-23
- Original language: English
- Number of items: 1
- Dimensions: 10.00" h x 1.10" w x 7.70" l, 2.65 pounds
- Binding: Hardcover
- 466 pages

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Editorial Review

From the Back Cover

Packaging is a globally integrated discipline: it draws on nearly every aspect of science, technology, business, social science, and engineering. This book uniquely reflects the systemic, interconnected nature of the food packaging industry. The author takes a holistic approach, covering topics more broadly than traditional texts which tend to take a linear view of singular topics and which often do not convey the interconnected nature of the industries involved. The comprehensive perspective of this volume provides a framework to discuss critical interrelated topics such as economics, politics, and natural resources.

Aimed at readers with varying levels of experience, *Food and Package Engineering* provides multilevel accessibility to each topic, allowing both students and professionals to find useful information and develop technical expertise. Rather than being a simple exposition of technical knowledge, the book provides both real-world examples and challenging problems that require consideration at several different levels. Following the "packaging cycle", readers are guided through the life of the package, from raw materials through material conversion, food packaging operations, distribution, retail and recycling or disposal by the consumer. Engineering basics and food preservation principles are discussed along the way.

Extensively illustrated and meticulously researched, *Food and Package Engineering* offers both a technical and a real-world perspective of the field. The text serves the student or industry professional, at whatever level or background, as an outstanding learning and reference work for their professional preparation and practice.

About the Author

Scott A. Morris is Associate Professor of Food Engineering at the University of Illinois at Urbana-Champaign. He founded the Packaging Program there and runs the Packaging Laboratory. He has published research on many aspects of food processing and packaging as well as engineering education. In addition, Dr. Morris has consulted with companies and has served with numerous professional organizations in the engineering, food science, packaging, and aerospace industries.

Users Review

From reader reviews:

Jason Urso:

Do you among people who can't read pleasant if the sentence chained from the straightway, hold on guys this aren't like that. This Food and Package Engineering book is readable by simply you who hate those straight word style. You will find the info here are arrange for enjoyable looking at experience without leaving perhaps decrease the knowledge that want to give to you. The writer connected with Food and Package Engineering content conveys thinking easily to understand by many people. The printed and e-book are not different in the written content but it just different in the form of it. So , do you even now thinking Food and Package Engineering is not loveable to be your top collection reading book?

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Starr Place:

Playing with family in the park, coming to see the sea world or hanging out with close friends is thing that usually you will have done when you have spare time, after that why you don't try matter that really opposite from that. One particular activity that make you not sense tired but still relaxing, trilling like on roller coaster you are ride on and with addition details. Even you love Food and Package Engineering, you could enjoy both. It is very good combination right, you still would like to miss it? What kind of hang-out type is it? Oh can happen its mind hangout folks. What? Still don't understand it, oh come on its called reading friends.

Patrick Bodin:

The book untitled Food and Package Engineering contain a lot of information on that. The writer explains the girl idea with easy means. The language is very simple to implement all the people, so do not worry, you can easy to read this. The book was compiled by famous author. The author brings you in the new period of time of literary works. You can actually read this book because you can continue reading your smart phone, or product, so you can read the book in anywhere and anytime. If you want to buy the e-book, you can wide open their official web-site and order it. Have a nice go through.

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