



Process Intensification, Second Edition: Engineering for Efficiency, Sustainability and Flexibility (Isotopes in Organic Chemistry)

David Reay, Colin Ramshaw, Adam Harvey

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Process Intensification: Engineering for Efficiency, Sustainability and Flexibility is the first book to provide a practical working guide to understanding process intensification (PI) and developing successful PI solutions and applications in chemical process, civil, environmental, energy, pharmaceutical, biological, and biochemical systems.

Process intensification is a chemical and process design approach that leads to substantially smaller, cleaner, safer, and more energy efficient process technology. It improves process flexibility, product quality, speed to market and inherent safety, with a reduced environmental footprint.

This book represents a valuable resource for engineers working with leading-edge process technologies, and those involved research and development of chemical, process, environmental, pharmaceutical, and bioscience systems.

- No other reference covers both the technology and application of PI, addressing fundamentals, industry applications, and including a development and implementation guide
- Covers hot and high growth topics, including emission prevention, sustainable design, and pinch analysis
- World-class authors: Colin Ramshaw pioneered PI at ICI and is widely credited as the father of the technology

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