



Industrial Combustion Testing

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Until now, anyone conducting industrial combustion tests had to either rely on old methods, go scurrying through the literature to find proven applicable methodologies, or hire top-shelf consultants such as those that work for cutting-edge companies like John Zink. Manufacturers can no longer take industrial combustion for granted. Air and noise pollution standards must be met, and today no one can afford the inefficient use of fuel.

Drawing on three decades of experience, Charles Baukal Jr. is not only aware of the best methods but is responsible for designing and implementing a number of them, owning 11 patents of his own, as well as having hundreds of articles to his credit. Providing busy engineers with a convenient reference that gives them state-of-the-art techniques without having to cull through the literature, this practical compendium:

- Demonstrates how to conduct meaningful experiments with industrial scale combustion equipment
- Illustrates a number of methods through case studies
- Includes detailed pictures, figures, graphs, and tables, to explain processes and make sense of the data
- Presents valuable information on advanced diagnostics, burner and flare testing, and testing in combustors, including techniques for a variety of kilns, furnaces, and boilers

Written to make better practitioners out of academicians and better scholars out of hands-on engineers, this unique volume teaches academics how to work at the large scales associated with industrial combustion, while also teaching engineers the rigorous approach needed for successful modeling.

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