

J.C. WILLIAMS and T. ALLEN
EDITORS

HANDBOOK OF POWDER TECHNOLOGY

Volume 8

M. PELL

GAS FLUIDIZATION

ELSEVIER

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HANDBOOK OF POWDER TECHNOLOGY

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The Handbook presents, in convenient form, existing knowledge in all specialized areas of Powder Technology.

Information that can be used for the design of industrial processes involving the production, handling and processing of particulate materials so far did not exist in a form in which it is readily accessible to design engineers. Scientists responsible for characterizing particulate materials, specifying the requirements of industrial processes, operating plants, or setting up quality-control tests all have similar problems in their fact-finding missions through the scattered and scanty literature. The aim of this handbook is to remedy this deficiency by providing a series of thematic volumes on various aspects of powder technology. Each volume is written as a monograph and can be used independently of other volumes.

Emphasis is placed on setting out the basic concepts of the subject and discussing their applications to the design, selection and operation of equipment of an industrial scale. To ensure timely publication, each volume will be published as soon as the material has been delivered by the authors.

Vol. 1. Particle Size Enlargement (C.E. Capes)

Vol. 2. Fundamentals of Gas-Particle Flow (G. Rudinger)

Vol. 3. Solid-Gas Separation (L. Svarovsky)

Vol. 4. Dust Explosions (P. Field)

Vol. 5. Solid-Liquid Separation Processes and Technology (L. Svarovsky)

Vol. 6. The Packing of Particles (D.J. Cumberland and R.J. Crawford)

Vol. 7. Dispersing Powders in Liquids (R.D. Nelson)

Vol. 8. Gas Fluidization (M. Pell)

Further volumes are in preparation.

(For further information on Volumes 1-7, see p. 123 of this volume.)

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Dedication

TO THE GIANTS WHO TAUGHT ME WELL :

Arthur Squires

George Curran

Fred Zenz

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