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Sinopsis

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Although chemical engineering and food technology are subject areas closely related to food processing systems and food plant design, coverage of the design of food plants is often sporadic and inadequately addressed in food technology and engineering books. Some books have attempted to treat food engineering from this dual point of view but, most have not achieved balanced coverage of the two. Focusing on food processing, rather than chemical plants, Food Plant Design presents precise design details with photos and drawings of different types of food processing plants, including food processing systems, refrigeration and steam systems, conveying systems, and buildings.

The authors discuss the subject in an ordered format that gives you the tools to produce food products with minimum cost. Including modeling procedures for food processing systems and auxiliary systems, they elucidate synthesis techniques and procedures. Using a clear structure for different levels of information and data on different food processing alternatives, the book outlines solutions to plant design problems in the context of overall optimization of an agro-industrial system and corresponding food chain. It provides the work procedures and techniques for solving the design problems of a food processing plant and in making a defined food product.