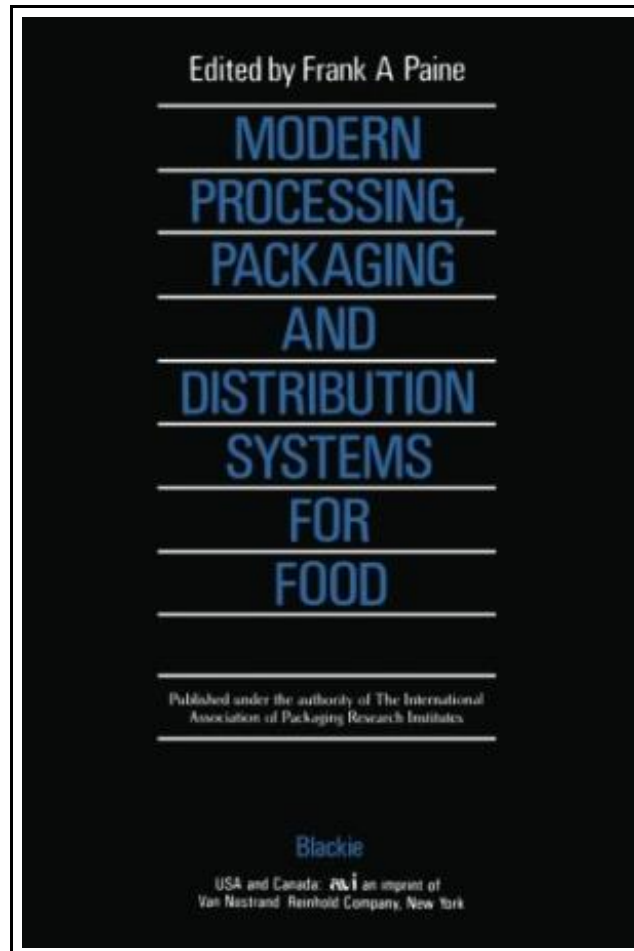


# Modern Processing, Packaging and Distribution Systems for Food



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*This book might be worth a read, and superior to other. Of course, it really is engage in, still an interesting and amazing literature. It is extremely difficult to leave it before concluding, once you begin to read the book.*

***(Prof. Valentin Hane MD)***

## MODERN PROCESSING, PACKAGING AND DISTRIBUTION SYSTEMS FOR FOOD



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Book Condition: New. Publisher/Verlag: Springer, Berlin | The progress that has been made over the last decade in the preparation, development, processing, and marketing of food has to a large extent been made possible by innovations and developments in the ways that thermo plastics, in conjunction with paper, metal foils, adhesives and other materials, have been combined and formed into the appropriate configurations to provide the properties required. Much has been said, written and published about retort pouches, modified atmosphere packaging and aseptic preservation processes, and even more about the newer methods of distribution and retailing of all kinds of food. However, all of this material needed to be digested, condensed into a logical framework and appraised, and possible further developments considered. In many instances, the original research and development was carried out in conjunction with one or more of the research organisations in membership with IAPRI, the International Association of Packaging Research Institutes, and it was felt that a book which attempted to provide a review of the more important developments would be useful to practitioner and student alike. | 1 Retortable plastic packaging.- The origin of retorting as a food process.- Traditional packaging.- Metal cans.- Glass jars.- Advantages and disadvantages.- Thermal processing.- Spoilage organisms.- Factors influencing growth.- Disadvantages of can and jar geometry.- The retort pouch.- Materials.- Pouch fabrication.- Filling, closing, and air evacuation.- Retorting.- Testing requirements.- Economics.- The market for the retort pouch.- The evolution of plastic retortable packages.- The foil laminated tray.- Retortable plastic materials.- Retortable thermoformed plastic containers.- Retortable pressure-formed plastic containers.- Retortable injection blow-moulded plastic containers.- Other candidates.- Summary.- References.- 2 Aseptic packaging.- Heat processing.- Pasteurization.- New trends in retorting.- The basis of sterility calculations.- Product sterilization.- Sterilization of the packaging.- Web sterilization.- Container sterilization.- Some fundamental aspects: reducing the bacterial load.- Maintaining sterile...



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