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Nota di contenuto	Front Cover; Contents; Preface to Second Edition; Preface to First Edition; Acknowledgments; Authors; Nomenclature and Abbreviations; Chapter 1: Introduction to Combustion Engineering; Chapter 2: Fuels; Chapter 3: Thermodynamics of Combustion; Chapter 4: Chemical Kinetics of Combustion; Chapter 5: Flames; Chapter 6: Gas-Fired Furnaces and Boilers; Chapter 7: Premixed-Charge Engine Combustion; Chapter 8: Detonation of Gaseous Mixtures; Chapter 9: Spray Formation and Droplet Behavior; Chapter 10: Oil-Fired Furnace Combustion; Chapter 11: Gas Turbine Spray Combustion Chapter 12: Diesel Engine CombustionChapter 13: Detonation of Liquid and Gaseous Mixtures; Chapter 14: Solid Fuel Combustion Mechanisms; Chapter 15: Fixed Bed Combustion; Chapter 16: Suspension Burning; Chapter 17: Fluidized Bed Combustion; Appendix A Properties of Fuels; Appendix B Properties of Air (at 1 atm); Appendix C Thermodynamic Properties of Combustion Products; Appendix D Historical Perspective on Combustion Technology; Back Cover
Sommario/riassunto	Combustion Engineering, Second Edition maintains the same goal as the original: to present the fundamentals of combustion science with application to today's energy challenges. Using combustion applications to reinforce the fundamentals of combustion science, this text provides a uniquely accessible introduction to combustion for undergraduate students, first-year graduate students, and

professionals in the workplace.

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