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Nota di contenuto	Front Cover; Table of Contents; List of Figures; Preface; Contributors; Editor; Chapter 1: The History, Development, and Characteristics of Explosives and Propellants; Chapter 2: Physics of Explosion Hazards; Chapter 7: Aircraft Explosive Sabotage Investigation; Chapter 9: Investigation of Gas Phase Explosions in Buildings; Chapter 10: Vehicle-Borne Improvised Explosive Devices: Collection, Analysis, and Presentation of Evidence; Chapter 11: Investigation of Pipe Bombs; Chapter 12: Improvised Explosives Characteristics, Detection, and Analysis; Chapter 14: Chromatography of Explosives Chapter 15: Analysis of Explosives by Mass SpectrometryChapter 16: Analysis of Explosives by Infrared Spectrometry; Chapter 17: Portable Explosive Detection Instruments; Chapter 19: Forensic Pathology of Explosive Injury; Chapter 20: Presentation of Explosive Casework Evidence; Back Cover
Sommario/riassunto	Now in its second edition, Forensic Investigation of Explosions draws

on the editor's 30 years of explosives casework experience, including his work on task forces set up to investigate major explosives incidents. Dr. Alexander Beveridge provides a broad, multidisciplinary approach, assembling the contributions of internationally recognized experts who present the definitive reference work on the subject.Topics discussed include:The physics and chemistry of explosives and explosionsThe detection of hidden explosivesThe effect of explosions on structures and personsAircraft sabotage investigationsExplosion scene investigationsCasework managementThe role of forensic scientistsAnalysis of explosives and their residuesForensic pathology as it relates to explosivesPresentation of expert testimonyWith nearly 40 percent more material, this new edition contains revised chapters and several new topics, including:A profile of casework management in the UK Forensic Explosives Laboratory, one of the world's top labs, with a discussion of their management system, training procedures, and practical approaches to problem solvingProperties and analysis of improvised explosivesAn examination of the Bali bombings and the use of mobile analytical techniques and mobile laboratoriesThe collection, analysis, and presentation of evidence in vehicle-borne improvised explosive device cases, as evidenced in attacks on US overseas targetsThis volume offers valuable information to all members of prevention and post-blast teams. Each chapter was written by an expert or experts in a specific field and provides well-referenced information underlying best practices that can be used in the field, laboratory, conference room, classroom, or courtroom. --Provided by publisher.