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Nota di contenuto	Cover; Title Page; Copyright; Contents; About the Authors; Series Foreword: Essentials of Forensic Science; Foreword; Preface; About the Companion Website; Chapter 1 Introduction; 1.1 Overview of contents; 1.2 A brief history of tool marks; 1.3 General aspects of marks' comparison; 1.4 Training requirements for examiners; 1.5 Good forensic practice; 1.6 Examination and comparison strategy; 1.6.1 Analysis; 1.6.2 Comparison; 1.6.3 Evaluation; 1.6.4 Verification; 1.7 Environment and equipment; 1.7.1 Basic requirements; 1.7.2 Examiner's 'toolbox'; 1.7.3 Test mark and casting materials 1.7.4 Larger equipment1.7.4.1 The comparator; 1.8 Quality assurance; 1.9 A brief summary; References; Chapter 2 Tool Manufacture; 2.1 Introduction; 2.2 Working with metal; 2.3 Creating a tool 'blank'; 2.3.1 Forging; 2.3.2 Blanking and shearing; 2.3.3 Metal cutting operations; 2.4 Finishing processes; 2.5 Wear, corrosion and damage; References; Chapter 3 Scene Examination; 3.1 Examining and recording the scene; 3.2 General preliminaries; 3.2.1 Verifying the circumstances; 3.2.2 Recording the scene; 3.2.3 Scene to scene linking; 3.2.4 Packaging; 3.3 Forced entry marks-levering 3.3.1 Recovery of levering marks3.4 Forced entry marks-other; 3.4.1 Hammer-type attack; 3.4.2 Gripping tool attacks; 3.4.3 Motor vehicle entry; 3.5 Entry by cutting; 3.5.1 Padlock removal; 3.5.2 Breached security systems; 3.6 Theft of metal; 3.7 Examination of machines; 3.8 Pathology samples; 3.9 Collecting suspect tools; References; Chapter 4 Initial Laboratory Examination; 4.1 General preliminaries; 4.1.1 Receiving items; 4.1.2 Planning the examination; 4.1.3 Preparing for the examination; 4.1.4 Collecting the items; 4.1.5 Decontamination of item packaging; 4.1.6 Operating procedures 4.1.7 Recording and opening the packaging4.1.8 Description of the item; 4.1.9 Examination of the item; 4.2 Mainly impressed marks; 4.2.1 Levering marks; 4.2.2 Impact marks; 4.2.3 Gripping marks; 4.2.4 The tool(s); 4.3 Mainly dynamic marks; 4.3.1 Levering marks with striations; 4.3.2 Cutting and stabbing marks; 4.4 Saw marks; 4.5 Post-mortem samples; 4.6 Alphanumeric punches; 4.7 Using tool marks for intelligence purposes; 4.7.1 Type and size of tool; 4.7.2 Scene-to-scene linking without a tool; 4.7.3 Scene-to-scene linking using a tool recovered from a scene 4.7.4 Linking suspect's tool(s) to previously unsuspected scenes4.7.5 Setting up a database; References; Chapter 5 Detailed Laboratory Examination; 5.1 First considerations; 5.2 Presentation of material to the comparator; 5.3 Impressed marks; 5.4 Marks with striations; 5.4.1 Sliding marks; 5.4.2 Double-bladed cutting tools; 5.4.3 Stab marks (in tyres and bones); 5.5 Saw marks; 5.5.1 Initial and final cuts; 5.5.2 Sawn ends; 5.6 Specialised marks; 5.6.1 Alphanumeric punches; 5.6.2 Drill marks; 5.6.3 Slide hammers; 5.6.4 Pipe cutters; 5.7 Other considerations; 5.7.1 Test marks made in situ 5.7.2 Amount of detail required for comparison
Sommario/riassunto	The Forensic Examination and Interpretation of Tool Marks brings together key techniques and developments in the field of tool marks in forensic science and explains clearly how tool mark analysis can be used within forensic investigation. The purpose of this book is to bring together as much of this information as possible in an accessible manner. The book deals with all aspects of tool mark evidence from crime scene to courtroom. The examination of a wide variety of different tool marks are discussed, including those made by specific

tools such as saws and in complex m