



# Ultrasonic Methods of Non-destructive Testing (Non-Destructive Evaluation Series)

By J. Blitz, G. Simpson

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Ultrasonic Methods of Non-Destructive Testing covers the basic principles and practices of ultrasonic testing, starting with the basic theory of vibration and propagation, design and properties and probes, and then proceeding to the principles and practice of the various ultrasonic techniques for different types of components and structures, both metallic and non-metallic. The design and operation of various types of equipment are covered and references to appropriate national and international standards are provided. Numerous applications are discussed comprehensively and special attention is paid to latest developments. A large number of references is provided so as to enable the reader to obtain further information.

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### **Editorial Review**

#### **Review**

Essential reading for all those working on this type of evaluation together with research and undergraduate students of materials science, metallurgy, mechanical engineering and physics. - Aslib Book Guide; The basic theory of vibration and propagation and the design and properties of probes are described, proceeding to the principles and practice of ultrasonic techniques for different types of components and structures, both metallic and nonmetallic. The design and operation of various types of equipment are described and references to appropriate national and international standards are provided. - Mechanical Engineering; ...a most welcome contribution to an area where, despite its importance, textbooks have been in short supply - Journal of Strain Analysis.

#### **From the Back Cover**

Ultrasonic Methods of Non-destructive Testing is essential reading for all those concerned with the non-destructive testing industry as well as undergraduate students of materials science, metallurgy, mechanical engineering and physics. The technique of ultrasonic testing is now by far the most practised form of non-destructive testing. It is extensively employed in the aircraft, nuclear, oil and gas industries. Ultrasonic Methods of Non-destructive Testing covers the basic principles and practices of ultrasonic testing, starting with the basic theory of vibration and propagation, design and properties of probes, and then proceeding to the principles and practice of the various ultrasonic techniques for different types of component and structures, both metallic and non-metallic. The design and operation of various types of equipment are covered and references to appropriate national and international standards are provided. Numerous applications are discussed comprehensively and special attention is paid to the latest developments. A large number of references is provided in order to enable the reader to obtain further information.

### **Users Review**

#### **From reader reviews:**

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A lot of people always spent all their free time to vacation or maybe go to the outside with them loved ones or their friend. Do you know? Many a lot of people spent they will free time just watching TV, or even playing video games all day long. If you want to try to find a new activity this is look different you can read some sort of book. It is really fun for you. If you enjoy the book which you read you can spent all day every day to reading a publication. The book Ultrasonic Methods of Non-destructive Testing (Non-Destructive Evaluation Series) it is extremely good to read. There are a lot of people who recommended this book. They were enjoying reading this book. In the event you did not have enough space to develop this book you can buy the particular e-book. You can m0ore effortlessly to read this book from the smart phone. The price is not to fund but this book features high quality.

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