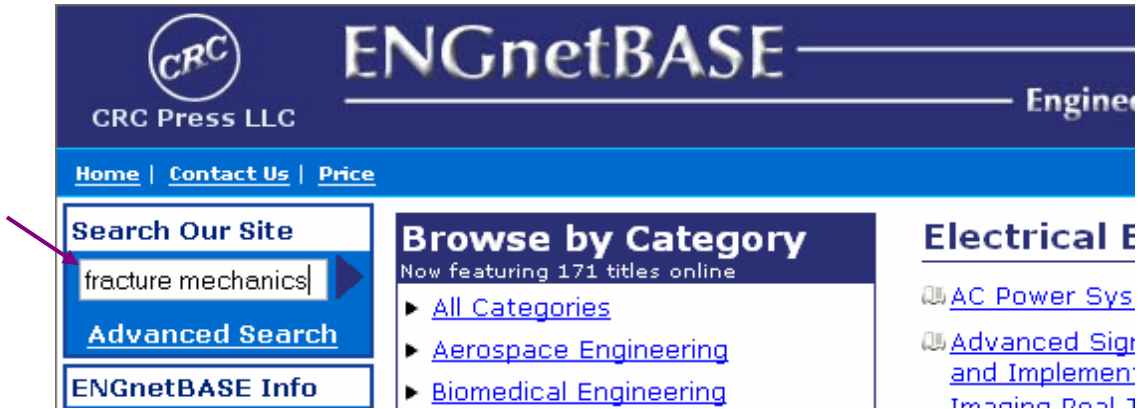




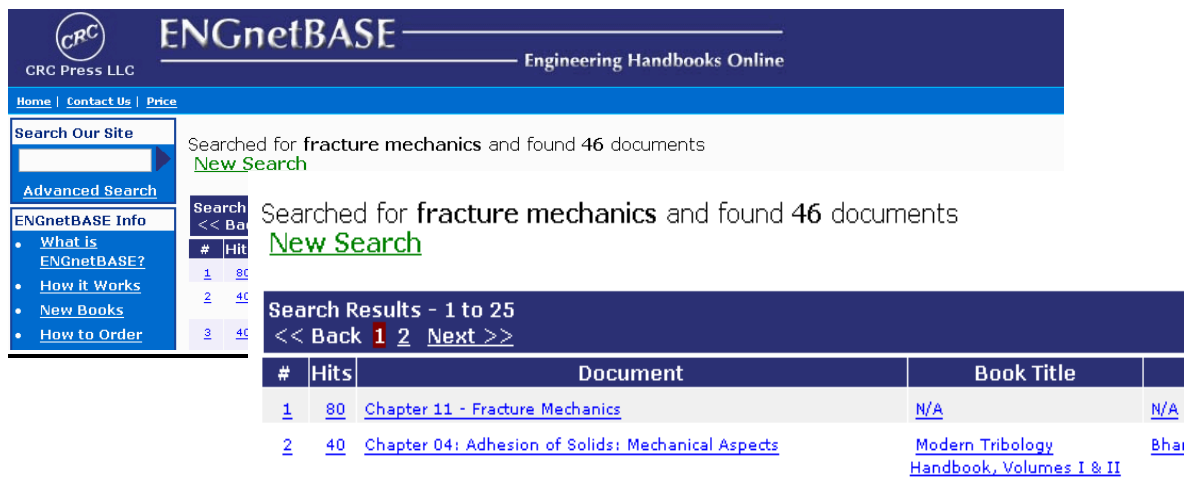
SEARCHES AND ADVANCED SEARCHES

QUICK SEARCH

As seen on the search screen below, enter the search criteria (**FRACTURE MECHANICS**) you desire. Then press enter:



As the system completes the search, you will be given a list of articles that meet your search criteria as shown below.



The results are displayed in a list, sorted by the number of hits per chapter, relevancy, size of document, and title or date. Once the list is displayed you may click on a draft view of the document in order to assess its relevancy. Once you have found the article of your choosing, you may click on the title and the full chapter will display as a PDF file. The file will look just like the print copy of the book. In addition, you may view the Table of Contents of each book, browse and click on any chapter you wish to view.

The screenshot shows a digital library interface. On the left, there is a sidebar with a 'Bookmarks' tree and a 'Thumbnails' list. The main content area displays the book title '11 Fracture Mechanics' and a list of chapters: 11.1 Fundamental Concepts, 11.2 The Energy Criterion, 11.3 The Stress Intensity Approach, 11.4 Time-Dependent Fracture, and 11.5 Effect of Defining Terms. Below the list, the author 'Ted L. Anderson' is mentioned. The 'Contents' page shows 'SECTION I Statics' with sub-sections: 'Introduction' by Russell C. Hibbeler, '1 Force-System Resultants and Equilibrium' by R. C. Hibbeler, '2 Centroids and Distributed Forces' by W. D. Pilkey and L. Kitis, and '3 Moments of Inertia' by J. L. Meriam. The CRC Press logo is visible in the bottom left, and a 'Guide' logo is in the bottom right.

ADVANCED SEARCHES

ADVANCED SEARCHES gives you the ability to narrow your search with specific parameters chosen by you. As shown on the screen below, select the search parameters that will give you the intended results. You may search either by a single word, phrase, or with Boolean Operators. You may also select specific books you wish to search or select all of them. If you have any questions about the parameters, click on **HELP** and it will review those terms for you. Once you have completed your choices and inserted a search term, click on **SEARCH** for the results.

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Search Types:

Stemming Phonic Natural Language

Display:

Display abstract in results: yes no

Show Best matches

Sort by: In: order

Limit results to documents per page

When the search is complete, it will show results very similar to that of a Quick Search. An added feature to the Advanced Search results is an **ABSTRACT** option as shown below. From here you may navigate through the results just as you do a Quick Search.

Searched for **fracture mechanics** and found 46 documents
[New Search](#)

Search Results - 1 to 25
 << Back 1 2 Next >>

#	Hits	Document	Book Title	Authors	Size
1	80	Chapter 11 - Fracture Mechanics Anderson T. L. " <i>Fracture Mechanics</i> " The Engineering Handbook. Ed. Richard C. Dorf Boca Raton: CRC Press LLC, 2000 11 <i>Fracture Mechanics</i> 11.1 Fundamental Concepts 11.2 The Energy Criterion 11.3 The Stress Intensity Approach 11.4 Time-Dependent Crack Growth and Damage Tolerance 11.5 Effect of Material Properties on Fracture [Ban	N/A	N/A	0.2 MB
2	40	Chapter 04: Adhesion of Solids: Mechanical Aspects 4 Adhesion of Solids: Mechanical Aspects 4.1 Introduction 4.2 Adhesion Forces, Energy of Adhesion, Threshold Energy of Rupture 4.3 <i>Fracture Mechanics</i> and Adhesion of Solids Energy Aspects, Energy Release Rate * Example of the Flat Punch * Mechanical Aspects 4.4 Example: Contact and Adherence of Spheres Hertz Solution * JKR Solution * DMT Solution * JKR-DMT Adhesion of Microcontacts * Co	Modern Tribology Handbook, Volumes I & II	Bharat Bhushan	1.1 MB



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REFERENCE REVIEW

You also have the option of viewing a reference book of your choice. The database is broken down into categories as shown below. Once you choose your category of interest (e.g. **CHEMICAL ENGINEERING**) the references associated with that category will be listed.

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- Civil Engineering (General)
- Combustion
- Composite Materials
- Computer Engineering
- Construction Engineering
- Digital & Wireless Communications

Chemical Engineering

- Advances in Chemical Propulsion: Science to Technology
- Applied Materials Science: Applications of Engineering Materials in Structural, Electronics, Thermal, and Other Industries
- CRC Handbook of Thermodynamic Data of Copolymer Solutions
- CRC Materials Science and Engineering Handbook, Third Edition
- Electrical Engineering Dictionary
- Encyclopedic Dictionary of Named Processes in Chemical Technology
- Engineering Handbook, The

As you scroll through the list of references, you will find them in alphabetical order according to title. Click on your choice and the following screens of information are available to you, **A SUMMARY**, **FEATURES**, and **TABLE OF CONTENTS**.

Summary Features Table of Contents

Engineering Handbook, The
Richard C. Dorf

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The Engineering Handbook is a resource book for engineers and scientists. Filled with a unique cross-section of information in areas within, and also outside the traditional boundaries of engineering, this book is a must-have for every engineer's library. The editors and members of the advisory board have worked hard to make this book to be complete and readily accessible to all.

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- Tables of contents at the beginning of each of the 211 chapters for easy accessibility to core information
- Appendices with extensive conversion tables, a complete list of SI units, and an in-depth mathematics section

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(1)

(2)

(3)

At this point you are given the option to **READ THE BOOK ONLINE** or to **PURCHASE** the reference on the CRC Press Website-as shown above <http://www.crcpress.com/>

VIEWING TIPS

If you would like to increase or decrease the size of the text or read the chapter page in full view, here are a few suggestions:

1) To increase or decrease the size of the text, please click on the down arrow on this icon and make your selection.



2) To view this page in its entirety, click on this icon and it will eliminate the bookmark section to the left of the page. 3) You may also click on the “full page” icon and achieve the same result. You will then be able to view the full page at a higher magnification level. If you would like to adjust the size at this time, click on the down arrow as shown above and make your selection.

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