



Machine Design: An Integrated Approach (2nd Edition)

By Robert L Norton

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A thorough and comprehensive book dealing with machine design that emphasizes both failure theory and analysis as well as emphasizing the synthesis and design aspects of machine elements. The book points out the commonality of the analytical approaches needed to design a wide variety of elements and emphasizes the use of computer-aided engineering as an approach to the design and analysis of these classes of problems. FEATURES/BENEFITS *NEW--The text has been made independent of any software package. *NEW--TKSOLVER models of all examples and case studies are included in the CD-ROM. *NEW--Updated MathCAD models of all examples and case studies are included in the CD-ROM. *NEW--All examples and case studies have been redone, and some expanded to make their presentations more detailed. *NEW--The numbers of problems has been increased by roughly 25 per cent. *NEW--Some sections of the text have included augmented figures, discussion or explanation. *May be used without the accompanying software and models with no detriment to understanding. *May be used in conjunction with TKSOLVER models and programs provided on the CD-ROM. *May be used in conjunction with the MathCAD models and engine provided on the CD-ROM.

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From the Back Cover

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About the Author

Robert Norton's approach to this course is based on over 45 years of experience in mechanical engineering design, both in industry and as a consultant. He has taught mechanical engineering design at the university level for over 25 of those years as well.

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