

Fan Blade Design Engineering Handbook

Chemical Engineer's Handbook
Composite Materials Handbook
The SBE Broadcast Engineering Handbook: A Hands-on Guide to Station Design and Maintenance
Engineering Design Reliability Handbook
Fan Handbook: Selection, Application, and Design
Perry's Chemical Engineers' Handbook, Eighth Edition
Audio Engineering Handbook
Perry's Chemical Engineers' Handbook
Sodium-NaK Engineering Handbook: Sodium purification, material, heaters, coolers, and radiators
Mechanical Engineers' Handbook: Design and production; Colin Carmichael, editor
Fan Engineering
Mechanical Engineers' Handbook
Handbook of Industrial Noise Control
Chemical Engineers' Handbook
Plant Engineer's Handbook
The CRC Handbook of Mechanical Engineering, Second Edition
HVAC Engineer's Handbook
Fermentation and Biochemical Engineering Handbook
Instrument Engineers' Handbook, Volume Two
Gas Turbine Engineering Handbook
Motor Truck Engineering Handbook
Maintenance Engineering Handbook
HVAC and Chemical Resistance Handbook for the Engineer and Architect
Mechanical Engineers' Handbook
Mechanical Engineers' Handbook: Power; J. Kenneth Salisbury, editor
Chemical Engineers' Handbook
Fan Engineering
Kent's Mechanical Engineers' Handbook
Fan Engineering
Maintenance Engineering Handbook
Standard Handbook for Mechanical Engineers
Graphical Methods for Schools, Colleges, Statisticians, Engineers and Executives
Kent's Mechanical Engineers'

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Handbook
Standard Handbook of Audio and Radio Engineering
Tunnel Engineering Handbook
Marine Engineers' Handbook
Albright's Chemical Engineering Handbook
Maintenance Engineering Handbook, Eighth Edition
Standard Handbook of Petroleum & Natural Gas Engineering
Standard Handbook of Powerplant Engineering

Chemical Engineer's Handbook

Composite Materials Handbook

Plant engineers are responsible for a wide range of industrial activities, and may work in any industry. This means that breadth of knowledge required by such professionals is so wide that previous books addressing plant engineering have either been limited to only certain subjects or cursory in their treatment of topics. The Plant Engineering Handbook offers comprehensive coverage of an enormous range of subjects which are of vital interest to the plant engineer and anyone connected with industrial operations or maintenance. This handbook is packed with indispensable information, from defining just what a Plant Engineer actually does, through selection of a suitable site for a factory and provision of basic facilities (including boilers, electrical systems, water, HVAC systems, pumping systems and floors and finishes) to issues such as lubrication, corrosion, energy conservation, maintenance and materials handling as well as environmental considerations,

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insurance matters and financial concerns. One of the major features of this volume is its comprehensive treatment of the maintenance management function; in addition to chapters which outline the operation of the various plant equipment there is specialist advice on how to get the most out of that equipment and its operators. This will enable the reader to reap the rewards of more efficient operations, more effective employee contributions and in turn more profitable performance from the plant and the business to which it contributes. The Editor, Keith Mobley and the team of expert contributors, have practiced at the highest levels in leading corporations across the USA, Europe and the rest of the world. Produced in association with Plant Engineering magazine, this book will be a source of information for plant engineers in any industry worldwide. * A Flagship reference work for the Plant Engineering series * Provides comprehensive coverage on an enormous range of subjects vital to plant and industrial engineer * Includes an international perspective including dual units and regulations

The SBE Broadcast Engineering Handbook: A Hands-on Guide to Station Design and Maintenance

Engineering Design Reliability Handbook

The Tunnel Engineering Handbook, Second Edition provides, in a single convenient volume, comprehensive coverage of the state of the art in the

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design, construction, and rehabilitation of tunnels. It brings together essential information on all the principal classifications of tunnels, including soft ground, hard rock, immersed tube and cut-and-cover, with comparisons of their relative advantages and suitability. The broad coverage found in the Tunnel Engineering Handbook enables engineers to address such critical questions as how tunnels are planned and laid out, how the design of tunnels depends on site and ground conditions, and which types of tunnels and construction methods are best suited to different conditions. Written by the leading engineers in the fields, this second edition features major revisions from the first, including:

- * Complete updating of all chapters from the first edition
- * Seven completely new chapters covering tunnel stabilization and lining, difficult ground, deep shafts, water conveyance tunnels, small diameter tunnels, fire life safety, tunnel rehabilitation and tunnel construction contracting
- * New coverage of the modern philosophy and techniques of tunnel design and tunnel construction contracting

The comprehensive coverage of the Tunnel Engineering Handbook makes it an essential resource for all practicing engineers engaged in the design of tunnels and underground construction. In addition, the book contains a wealth of information that government administrators and planners and transportation officials will use in the planning and management of tunnels.

Fan Handbook: Selection, Application, and Design

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The title is misleading until you check out the contents. It is all about HVAC and more. This compilation has organized data frequently used by Mechanical Engineers, Mechanical Contractors and Plant Facility Engineers. The book will end the frustration on a busy day searching for design criteria.

Perry's Chemical Engineers' Handbook, Eighth Edition

The practical aspects of development, design, and operation are stressed, and some theory is included to provide the necessary insight for a particular operation. Problems addressed are the collection of pilot data, choice of scale-up parameters, selection of the right piece of equipment, pinpointing of likely trouble spots, and methods for troubleshooting.

Audio Engineering Handbook

Perry's Chemical Engineers' Handbook

Sodium-NaK Engineering Handbook: Sodium purification, material, heaters, coolers, and radiators

Hydraulics and Fluid Mechanics covers the proceedings of the First Australasian Conference. The book presents 29 papers that tackle several areas of concerns in fluid flow. The coverage of the text

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includes the behavioral aspects of fluid flow such as pressure drop and surge, gas pulsation, and cavitation. The book also discusses materials that cover methods in analyzing and estimating fluid flow variables, such as waterhammer analysis with nonlinear frictional resistance; estimation of hold-up at and below flooding; and analysis of shallow water wave patterns produced by a traveling model with straight and circular courses. The text will be of great use to researchers and professionals whose work concerns fluid flow.

Mechanical Engineers' Handbook: Design and production; Colin Carmichael, editor

Extensively revised and updated, this new edition of a classic resource provides powerplant engineers with a full range of information from basic operations to leading-edge technologies, including steam generation, turbines and diesels, fuels and fuel handling, pollution control, plant electrical systems, and instrumentation and control. New material covers various energy resources for power generation, nuclear plant systems, hydroelectric power stations, alternative and cogeneration energy plants, and environmental controls. With over 600 drawings, diagrams, and photographs, it offers engineers and technicians the information needed to keep powerplants operating smoothly into the 21st century.

Fan Engineering

More than 70% all-new material! THE #1 ON-THE-JOB

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AUDIO ENGINEERING GUIDE--NOW UPDATED WITH THE LATEST DIGITAL TECHNOLOGIES Get clear answers to your every question on every aspect of audio engineering in the updated reference of choice of audio and video engineers and technicians, Standard Handbook of Audio Engineering, Second Edition. You'll find no other source that covers such a broad range of audio principles and technologies--with an emphasis on practical applications, including design, production, installation, operation, and maintenance of recording studios, broadcast centers, and multimedia operations. Now fully updated for the first time in a decade, this trusted guide brings you completely up to speed with: *CD, DVD, and other hot technologies *Audio compression schemes, including MP3 *Sound transmission, reproduction, amplification, modification, detection, and storage equipment *Broadcasting, music industry, multimedia, and Internet audio methods and tools *Editing, voice-over, and post-production systems *Noise reduction *Test and measurement procedures and practices Accompanying CD-ROM packs extensive data files--sound, industry specs, standards, diagrams, photos, and more, all keyed to relevant passages in the book.

Mechanical Engineers' Handbook

Handbook of Industrial Noise Control

This handbook covers the design, selection, maintenance and repair of fans used in a wide range

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of applications and industries. Bleier gives information on ventilation aspects as well as on codes, standards and specifications.

Chemical Engineers' Handbook

During the past 20 years, the field of mechanical engineering has undergone enormous changes. These changes have been driven by many factors, including: the development of computer technology worldwide competition in industry improvements in the flow of information satellite communication real time monitoring increased energy efficiency robotics automatic control increased sensitivity to environmental impacts of human activities advances in design and manufacturing methods These developments have put more stress on mechanical engineering education, making it increasingly difficult to cover all the topics that a professional engineer will need in his or her career. As a result of these developments, there has been a growing need for a handbook that can serve the professional community by providing relevant background and current information in the field of mechanical engineering. The CRC Handbook of Mechanical Engineering serves the needs of the professional engineer as a resource of information into the next century.

Plant Engineer's Handbook

The CRC Handbook of Mechanical Engineering, Second Edition

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Petroleum engineering now has its own true classic handbook that reflects the profession's status as a mature major engineering discipline. Formerly titled the Practical Petroleum Engineer's Handbook, by Joseph Zaba and W.T. Doherty (editors), this new, completely updated two-volume set is expanded and revised to give petroleum engineers a comprehensive source of industry standards and engineering practices. It is packed with the key, practical information and data that petroleum engineers rely upon daily. The result of a fifteen-year effort, this handbook covers the gamut of oil and gas engineering topics to provide a reliable source of engineering and reference information for analyzing and solving problems. It also reflects the growing role of natural gas in industrial development by integrating natural gas topics throughout both volumes. More than a dozen leading industry experts-academia and industry-contributed to this two-volume set to provide the best, most comprehensive source of petroleum engineering information available.

HVAC Engineer's Handbook

Fermentation and Biochemical Engineering Handbook

Instrument Engineers' Handbook, Volume Two

Gas Turbine Engineering Handbook

Researchers in the engineering industry and academia are making important advances on reliability-based design and modeling of uncertainty when data is limited. Non deterministic approaches have enabled industries to save billions by reducing design and warranty costs and by improving quality. Considering the lack of comprehensive and defini

Motor Truck Engineering Handbook

The latest update to Bela Liptak's acclaimed "bible" of instrument engineering is now available. Retaining the format that made the previous editions bestsellers in their own right, the fourth edition of Process Control and Optimization continues the tradition of providing quick and easy access to highly practical information. The authors are practicing engineers, not theoretical people from academia, and their from-the-trenches advice has been repeatedly tested in real-life applications. Expanded coverage includes descriptions of overseas manufacturer's products and concepts, model-based optimization in control theory, new major inventions and innovations in control valves, and a full chapter devoted to safety. With more than 2000 graphs, figures, and tables, this all-inclusive encyclopedic volume replaces an entire library with one authoritative reference. The fourth edition brings the content of the previous editions completely up to date, incorporates the developments of the last decade, and broadens the horizons of the work from an American to a global perspective. Béla

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G. Lipták speaks on Post-Oil Energy Technology on the AT&T Tech Channel.

Maintenance Engineering Handbook

HVAC and Chemical Resistance Handbook for the Engineer and Architect

Mechanical Engineers' Handbook

Mechanical Engineers' Handbook: Power; J. Kenneth Salisbury, editor

Chemical Engineers' Handbook

Providing both sophisticated and simplified solutions to facility maintenance problems for plant engineers, facilities engineers and managers, and maintenance engineers, this revised and updated fifth edition discusses every aspect of maintenance engineering from new technical advances to maintaining new machinery. All kinds of facilities are described, including generating plants, refineries, hospitals, schools and universities, and office buildings. The handbook also includes effective ways to use computers to manage maintenance procedures for machinery, physical plants and fixed support service.

Fan Engineering

The Gas Turbine Engineering Handbook has been the standard for engineers involved in the design, selection, and operation of gas turbines. This revision includes new case histories, the latest techniques, and new designs to comply with recently passed legislation. By keeping the book up to date with new, emerging topics, Boyce ensures that this book will remain the standard and most widely used book in this field. The new Third Edition of the Gas Turbine Engineering Handbook updates the book to cover the new generation of Advanced gas Turbines. It examines the benefit and some of the major problems that have been encountered by these new turbines. The book keeps abreast of the environmental changes and the industries answer to these new regulations. A new chapter on case histories has been added to enable the engineer in the field to keep abreast of problems that are being encountered and the solutions that have resulted in solving them. Comprehensive treatment of Gas Turbines from Design to Operation and Maintenance. In depth treatment of Compressors with emphasis on surge, rotating stall, and choke; Combustors with emphasis on Dry Low NO_x Combustors; and Turbines with emphasis on Metallurgy and new cooling schemes. An excellent introductory book for the student and field engineers A special maintenance section dealing with the advanced gas turbines, and special diagnostic charts have been provided that will enable the reader to troubleshoot problems he encounters in the field The third edition consists of many Case Histories of

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Gas Turbine problems. This should enable the field engineer to avoid some of these same generic problems

Kent's Mechanical Engineers' Handbook

"Updated, modernized, digitized, and streamlined edition of this classic handbook which has been educating plant and facility professionals in every aspect of maintenance engineering for more than half a century"--

Fan Engineering

Up-To-Date Broadcast Engineering Essentials This encyclopedic resource offers complete coverage of the latest broadcasting practices and technologies. Written by a team of recognized experts in the field, the SBE Broadcast Engineering Handbook thoroughly explains radio and television transmission systems, DTV transport, information technology systems for broadcast applications, production systems, facility design, broadcast management, and regulatory issues. In addition, valuable, easy-to-use appendices are included with extensive reference data and tables. The SBE Broadcast Engineering Handbook is a hands-on guide to broadcast station design and maintenance. SBE Broadcast Engineering Handbook covers:

- Regulatory Requirements and Related Issues
- AM, FM, and TV Transmitters, Transmission Lines, and Antenna Systems
- DTV Transmission Systems, Coverage, and Measurement
- MPEG-2 Transport
- Program and System Information Protocol (PSIP)

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Information Technology for Broadcast Plants · Production Facility Design · Audio and Video Monitoring Systems · Master Control and Centralized Facilities · Asset Management · Production Intercom Systems · Production Lighting Systems · Broadcast Facility Design · Transmission System Maintenance · Broadcast Management and Leadership

Maintenance Engineering Handbook

Get Cutting-Edge Coverage of All Chemical Engineering Topics— from Fundamentals to the Latest Computer Applications. First published in 1934, Perry's Chemical Engineers' Handbook has equipped generations of engineers and chemists with an expert source of chemical engineering information and data. Now updated to reflect the latest technology and processes of the new millennium, the Eighth Edition of this classic guide provides unsurpassed coverage of every aspect of chemical engineering—from fundamental principles to chemical processes and equipment to new computer applications. Filled with over 700 detailed illustrations, the Eighth Edition of Perry's Chemical Engineering Handbook features: Comprehensive tables and charts for unit conversion A greatly expanded section on physical and chemical data New to this edition: the latest advances in distillation, liquid-liquid extraction, reactor modeling, biological processes, biochemical and membrane separation processes, and chemical plant safety practices with accident case histories Inside This Updated Chemical Engineering Guide Conversion Factors and Mathematical Symbols • Physical and

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Chemical Data • Mathematics • Thermodynamics • Heat and Mass Transfer • Fluid and Particle Dynamics Reaction Kinetics • Process Control • Process Economics • Transport and Storage of Fluids • Heat Transfer Equipment • Psychrometry, Evaporative Cooling, and Solids Drying • Distillation • Gas Absorption and Gas-Liquid System Design • Liquid-Liquid Extraction Operations and Equipment • Adsorption and Ion Exchange • Gas-Solid Operations and Equipment • Liquid-Solid Operations and Equipment • Solid-Solid Operations and Equipment • Size Reduction and Size Enlargement • Handling of Bulk Solids and Packaging of Solids and Liquids • Alternative Separation Processes • And Many Other Topics!

Standard Handbook for Mechanical Engineers

Graphical Methods for Schools, Colleges, Statisticians, Engineers and Executives

Kent's Mechanical Engineers' Handbook

Standard Handbook of Audio and Radio Engineering

Reference work for chemical and process engineers. Newest developments, advances, achievements and

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methods in various fields.

Tunnel Engineering Handbook

Marine Engineers' Handbook

Albright's Chemical Engineering Handbook

Maintenance Engineering Handbook, Eighth Edition

Standard Handbook of Petroleum & Natural Gas Engineering

Taking greater advantage of powerful computing capabilities over the last several years, the development of fundamental information and new models has led to major advances in nearly every aspect of chemical engineering. Albright's Chemical Engineering Handbook represents a reliable source of updated methods, applications, and fundamental concepts that will continue to play a significant role in driving new research and improving plant design and operations. Well-rounded, concise, and practical by design, this handbook collects valuable insight from an exceptional diversity of leaders in their respective specialties. Each chapter provides a clear review of

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basic information, case examples, and references to additional, more in-depth information. They explain essential principles, calculations, and issues relating to topics including reaction engineering, process control and design, waste disposal, and electrochemical and biochemical engineering. The final chapters cover aspects of patents and intellectual property, practical communication, and ethical considerations that are most relevant to engineers. From fundamentals to plant operations, Albright's Chemical Engineering Handbook offers a thorough, yet succinct guide to day-to-day methods and calculations used in chemical engineering applications. This handbook will serve the needs of practicing professionals as well as students preparing to enter the field.

Standard Handbook of Powerplant Engineering

Stay Up to Date on the Latest Issues in Maintenance Engineering The most comprehensive resource of its kind, Maintenance Engineering Handbook has long been a staple for engineers, managers, and technicians seeking current advice on everything from tools and techniques to planning and scheduling. This brand-new edition brings you up to date on the most pertinent aspects of identifying and repairing faulty equipment; such dated subjects as sanitation and housekeeping have been removed. Maintenance Engineering Handbook has been advising plant and facility professionals for more than 50 years. Whether you're new to the profession or a practiced veteran,

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this updated edition is an absolute necessity. New and updated sections include: Belt Drives, provided by the Gates Corporation Repair and Maintenance Cost Estimation Ventilation Fans and Exhaust Systems 10 New Chapters on Maintenance of Mechanical Equipment Inside: • Organization and Management of the Maintenance Function • Maintenance Practices • Engineering and Analysis Tools • Maintenance of Facilities and Equipment • Maintenance of Mechanical Equipment • Maintenance of Electrical Equipment • Instrumentation and Reliability Tools • Lubrication • Maintenance Welding • Chemical Corrosion Control and Cleaning

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