



## Prescott Memorial Library Guide to Resources in Mechanical Engineering

### **INDEXES**

ASME Index to Publications, 1880-1981 **Ref TJ A72p**  
Applied Mechanics Reviews **TA 1 A639 (3<sup>rd</sup> Floor)**  
Engineering Village 2 **online under Indexes and Abstracts**  
SAE. Annual Index/Abstracts of SAE Technical Papers **Ref TL 1 S6**

**Note: all current ASME journals are available full text 2000-present through the La Tech catalog.**

### **DIRECTORIES**

American Consulting Engineers Council Directory **Index Table 5**  
Biotechnology Directory **Index Table 5**  
Directory of Louisiana Manufacturers **La Docs Ref C 1.9:998**  
Louisiana Manufacturers Register **Ready Ref HF 5065 L8 L69**  
Louisiana Business Directory **Ready Ref HF 5065 L6 L6 2000**  
South Central High Technology Directory **Index Table 4**  
Thomas Register of American Manufacturers **Index Table 8 and [www.thomasnet.com](http://www.thomasnet.com)**

### **GENERAL ENGINEERING MATERIALS**

#### **e-Book Collections**

Knovel (fully searchable electronic reference books) **on library homepage**  
netLibrary (electronic versions of popular and technical books) **on library homepage**

#### **Encyclopedias and Dictionaries**

Encyclopedia of Fluid Mechanics **Ref TA 357 E53 1986**  
McGraw-Hill Encyclopedia of Science and Technology **Ready Ref Q 121 M3**  
McGraw-Hill Dictionary of Scientific and Technical Terms **Ready Ref Q 123 M15**  
Van Nostrands Scientific Encyclopedia **Ready Ref Q 121 V3**

#### **Handbooks**

ASTM Standards **Ref TA 401 A653**  
CRC Handbook of Chemistry and Physics **Ready Ref QD 65 H3**  
CRC Handbook of Tables for Applied Engineering Science **Ref TA 151 C2**  
The Engineering Handbook **Ref TA 151 E424 1996**  
Eschbach's Handbook of Engineering Fundamentals **Ref TA 151 E8 1989**  
Handbook of Heat Transfer **Ref QC 320.4 H36 1998**  
Standard Handbook of Engineering Calculations **Ref TA 332 S73 1985**  
The Transforms and Applications Handbook **Ref QA 601 T73 1996**

### **INDUSTRIAL ENGINEERING**

Handbook of Industrial Engineering **Ref T 56.23 H36 1991**  
Industrial Engineering Terminology **Ref T 56.23 A58p**  
Human Factors Design Handbook **Ref TA 166 W57**  
Handbook of Human Systems Integration **Ref T 59.7 H34 2003**

## **MECHANICAL ENGINEERING**

### **Basic Sources**

Dictionary of Mechanical Engineering **Ref TJ 9 N3**  
Kent's Mechanical Engineers' Handbook **Ref TJ 151 K4 1950**  
Mechanical Engineer's Handbook **Ref TJ 151 M395**  
Mechanical Engineer's Reference Book **Ref TJ 151 P35 1973**  
Mark's Standard Handbook for Mechanical Engineers **Ref TJ 151 S82**  
SAE Handbook **Ref TL 151 S62**

### **Building Systems**

ASHRAE Handbook **Ref TH 7212 A4p**  
Handbook of HVAC Design **Ref TH 7011 H36 1990**  
Mechanical and Electrical Equipment for Buildings **Ref TH 6010 S74 1992**

### **Heat Exchange**

Handbook of Heat and Mass Transfer **Ref TJ 260 H36 1986**  
Heat Exchange Design Handbook **Ref TJ 263 H38 1983**

### **Machinery**

Diesel Engine Reference Book **Ref TJ 795 D437 1984**  
Machinery's Handbook (and Guide with solutions) **Ref TJ 151 O245 1988**  
Machining Data Handbook **Ref TJ 1185 M234**  
Marks' Calculations for Machine Design **Ref TJ 233 B76 2005**  
Mechanical Design Handbook **Ref TJ 230 M433 1996**  
Pump Handbook **Ref TJ 9000 P79 1986**  
Standard Handbook of Machine Design **Ref TJ 230 S8235 1996**  
Tool and Manufacturing Engineers Handbook **Ref TS 176 A43**

### **Maintenance/Control**

Control Engineers' Handbook **Ref TJ 213 T72**  
Industrial Instrument Servicing Handbook **Ref TA 165 C3**  
Maintenance Engineering Handbook **Ref TS 192 M65**  
Process Instruments and Control Handbook **Ref TS 156.8 P764 1985**  
Standard Handbook of Lubrication Engineering **Ref TJ 1075 S8235**

### **Materials**

Alloy Digest, 13 vols. **Ref TA 483 A4p**  
ASM Handbook (Metals Handbook), 9<sup>th</sup> Ed. **Ref TA 459 A5**  
Engineering Materials Handbook **Ref TA 403 M25**  
Engineered Materials Handbook, 3 vols. **Ref TA 403 E497 1987**  
Handbook of Binary Phase Diagrams, 5 vols. **Ref TN 690.4 M69p**  
Handbook of Nanostructured Materials and Nanotechnology, 4 vols. **Ref TA 418.9 N35 H36 2000**  
International Encyclopedia of Composites, 6 vols. **Ref TA 418.9 C6 E53 1989**  
Smithells Metals Reference Book **Ref TN 671 S55**

### **MEMS**

MEMS Handbook **Ref TJ 151 M46 2002**  
Mechatronics Handbook **Ref TJ 163.12 M433 2002**

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