Industrial Tribology. Tribosystems, Friction, Wear and Surface Engineering, Lubrication

Description: Tribology is the science of friction, wear and lubrication. It is a fast growing discipline generating a lot of interest at universities, industrial and other research centers, and has produced promising new results over the past five years. Due to its interdisciplinary nature, it requires efficient cooperation between mechanical engineers, materials scientists, chemists and chemical engineers, and even specialists in toxicology and environmental protection. Integrating very interesting results from the most important R&D project ever made in Germany, this ready reference and handbook offers a basic understanding of tribological systems and the latest developments in reduction of wear and energy consumption by tribological measures.

The result is an analysis of the most important tribosystems using modern test equipment in laboratories and test fields, the latest results in material selection and wear protection by special coatings and surface engineering, as well as with lubrication and lubricants.

Contents:

Definition of Tribology

Economic Importance of Tribology

FRICION AND TRIBOSYSTEM ANALYSIS AND TESTING

Fundamentals of Friction


Machines: Tribology of Internal Combustion Gasoline and Diesel Engines, Industrial and Automotive Gears, Other Transmissions, Compressors, Turbines, Hydraulic Systems with Different Pump Types, Machine Tools for Cutting and Forming Processes

WEAR AND WEAR PROTECTION, MATERIAL SELECTION AND SURFACE ENGINEERING

Fundamentals of Wear

Materials Selection

Wear Protection and Surface Engineering

Developing, Selection, Testing and Application of Special Coatings e.g. PVD or CVD Coatings for Gears, Bearings, Hydraulic Cylinders

Cutting and Forming Tools

LUBRICANTS AND LUBRICATION

Base Oils

Rheology

Additives


Lubricants in the Environment
Lubricant Testing

Lubricant Specifications

Ordering:

Order Online - [http://www.researchandmarkets.com/reports/2179851/](http://www.researchandmarkets.com/reports/2179851/)

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

Product Name: Industrial Tribology. Tribosystems, Friction, Wear and Surface Engineering, Lubrication
Web Address: http://www.researchandmarkets.com/reports/2179851/
Office Code: SCDKUQLW

Product Format
Please select the product format and quantity you require:

Quantity
Hard Copy (Hard Back):  USD 204 + USD 29 Shipping/Handling

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof [ ]
First Name: __________________________ Last Name: __________________________
Email Address: *
Job Title:
Organisation:
Address:
City:
Postal / Zip Code:
Country:
Phone Number:
Fax Number:

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

- [ ] Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

- [ ] Pay by check: Please post the check, accompanied by this form, to:
  Research and Markets,
  Guinness Center,
  Taylors Lane,
  Dublin 8,
  Ireland.

- [ ] Pay by wire transfer: Please transfer funds to:
  Account number: 833 130 83
  Sort code: 98-53-30
  Swift code: ULSBIE2D
  IBAN number: IE78ULSB98533083313083
  Bank Address: Ulster Bank,
  27-35 Main Street,
  Blackrock,
  Co. Dublin,
  Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ___________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World