



# Mechanical Engineering

School of Engineering and Design

## Library collections

The Library subscribes to a range of print and electronic resources for staff and students of **Mechanical Engineering** and related subject areas.

Mechanical Engineering materials can be found on Floor 2 in the section **TJ**. Journals are shelved on Floor 3, using the same shelving scheme as the books.

## Printed resources

### Useful shelfmarks:

• Aerodynamics	TL570
• Automobile engineering	TL145-275
• Control systems	TJ212-225
• Engineering thermodynamics	TJ265
• Internal combustion engines	TJ751-805
• Machine tools	TJ1180-1313
• Mechanical engineering	TJ
• Renewable energy	TJ807-830
• Steam engineering	TJ268-740

## Key resources

A number of key **Mechanical Engineering** resources are available online. These can be accessed from the **Subjects** page on the Library home page: [www.brunel.ac.uk/library](http://www.brunel.ac.uk/library)

## E-Books

You can access e-books from the Library catalogue. We have a range of titles including:

- *Mechanical engineer's handbook*
- *Engineering materials 2*
- *Lightweight electric/ hybrid vehicle design*
- *Modeling and problem solving for engineers*

## Journals

Brunel Library subscribes to several **Mechanical Engineering** journals with the highest impact factors including:

- *Progress in energy and combustion science*
- *Journal of microelectromechanical systems*
- *International journal of plasticity*
- *Journal of aerosol science*

The **e-Journals Gateway** holds information about all the electronic journals to which Brunel Library subscribes. You can access it from the Library home page.

## Databases

**IEEE / IET Electronic Library** - Provides access to all IEEE and IET transactions, journals, magazines and conference proceedings published since 1988, plus IEEE standards.

**ScienceDirect** - Offers access to the Elsevier digital library, covering over 1800 publications. Most are available in full text after 1995.

**Westlaw** - Full text access to UK cases, legislation and journals as published by Sweet & Maxwell. Access is also provided to EU, US and international cases, journals and legislation.

## Raw data

**British Standards Online (BSOL)** - BSOL provides access to the full text of all current British standards.

**ESDU** - ESDU provides validated, up-to-date engineering data for the aerospace, structural, process and mechanical engineering disciplines.

**Jane's all the world's aircraft (JAWA)** - The data are available in the print version shelved on floor 2 of the Library at (Ref) TL501.J35 2005

**SAE Digital Library** - Includes SAE Technical papers. It references papers covering the latest advances and research in all areas of mobility engineering including ground vehicle, aerospace, off-highway and manufacturing technology.

## Recommended websites

On the **Subjects** page on the Library website you will find lists of useful web resources that are freely available on the internet. A few of these are highlighted below:

**AERADE** - The AERADE portal provides integrated access to key aerospace and defence information sources.

**Engineering.com** - Online resources for all disciplines of the worldwide engineering community.

## Further help

For further information about the resources and services available to you for teaching or learning, visit the Library website: [www.brunel.ac.uk/library](http://www.brunel.ac.uk/library) or contact your Subject Liaison Librarian.

### Shazia Arif

Subject Liaison Librarian

School of Engineering and Design

### Library

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