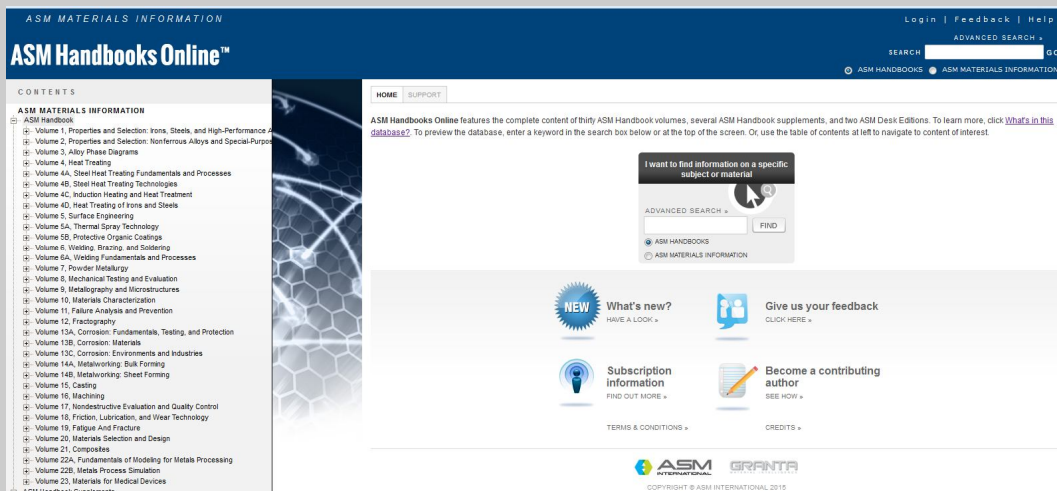


Home Page



Logo



URL

<http://products.asminternational.org/hbk/index.jsp>

Subject

Metallurgy —Handbooks, manuals, etc. ;
 Industrial chemistry-- Handbooks, manuals, etc.

Accessibility

On subscription

Language

English

Publisher

ASM International

Brief History

ASM International is the preeminent association for engaging and connecting materials professionals and their organizations to the resources necessary to solve problems, improve outcomes, and advance society. This association is the feather organization for this handbook collection. The handbook came into market in 1961.

Scope and Coverage

ASM Handbooks Online is the industry's best known and most comprehensive source of information on ferrous and non-ferrous metals and materials technology. This handbook covers every area of materials specialization. This handbook collection includes the complete content of thirty ASM Handbook volumes, several ASM Handbook supplements, ASM Desk Editions and General Reference and ASM Handbook Archives. The ASM Desk Editions and General Reference includes Engineered Materials Desk Edition, Metals Handbook Desk Edition, Reference Information Library.

Kind of Information

The ASM Handbook provides information on Irons, Steels, and High-Performance Alloys, Nonferrous Alloys and Special-Purpose Materials, Alloy Phase Diagrams. Heat Treating fundamental and process, Surface Engineering, Welding, Brazing, and Soldering, Powder Metallurgy, Mechanical Testing and Evaluation, Materials Characterization, Failure Analysis and Prevention, Nondestructive Evaluation and Quality Control, Friction, Lubrication, and Wear Technology, strategies of Materials Selection and Design, Fundamentals of Modeling for Metals Processing, Materials for Medical Devices.

The ASM Handbook Supplements is useful for the information on Aluminum Casting Alloys, Beryllium and Beryllium Alloys, Brazing, Distortion and Residual Stress, Metalworking, Super alloys.

The ASM Handbook Archive provides information on Fundamentals of Welding, Fundamentals of Solid-State Welding, Fusion Welding Processes, Practice Considerations for Arc Welding, Practice Considerations for Resistance Welding & High-Energy-Beam Welding, Procedure Development and Practice Considerations for Solid-State Welding, Safe Practices.

Special Features

- Peer-reviewed, trusted information in every area of materials specialization
- Over 25,000 pages of articles, illustrations, tables, graphs, specifications and practical examples
- Updated quarterly;
- Under this website one also found ASM Alloy Center Database, ASM Micrograph Database, ASM Failure Analysis Database, ASM Alloy Phase Diagram Database, and ASM Medical Materials Database.

Arrangement Pattern

All the volumes are topic wise under each part of the handbook collection, namely- ASM Handbook, ASM Handbook Supplements, ASM Desk Editions and General Reference and ASM Handbook Archive.

Remarks

This handbooks collection provides enormous knowledge on various aspects on metals and materials technology and is dedicated to provide up to date information on this regard. These handbooks are recognized as a standard reference in the field of materials

science. Examples of topics covered by the ASM Handbooks are mechanical properties of metals, corrosion studies, and much more.

Comparable Tools

- Alro Tool and Die Handbook
(<http://www.alro.com/datacatalog/toolanddiecatalog.aspx>)

Date of Access

December 15, 2016