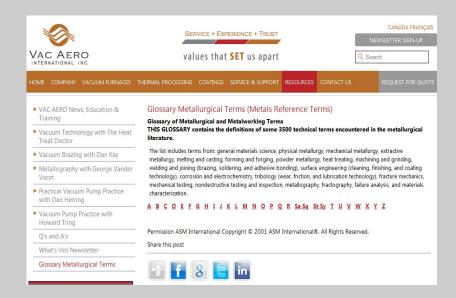
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URL http://vacaero.com/information-resources/glossary-metallurg-terms.html

Subject Metallurgy - Dictionaries

Accessibility Free

Language English

Publisher VACAERO International Inc.

Scope and Coverage

This glossary contains the definitions of 3500 technical terms, related to metallurgical literature. The terms are covered various topic like general materials science, physical metallurgy, mechanical metallurgy, extractive metallurgy, melting and casting, forming and forging, powder metallurgy, heat treating, machining and grinding, welding and joining (brazing,

soldering, and adhesive bonding), surface engineering (cleaning, finishing, and coating technology), corrosion and electrochemistry, tribology (wear, friction, and lubrication technology), fracture mechanics, mechanical testing, nondestructive testing and inspection, metallography, fractography, failure analysis, and materials characterization etc.

Kind of Information

Terms are available with definitions and explanation in this dictionary. See and See also references are found after the terms or after the meaning of the terms. Some of the entries are cross referenced. Some examples are given below for clear understanding.

fatigue strength at N cycles (SN)

A hypothetical value of stress for failure at exactly N cycles as determined from an S-N curve. The value of SN thus determined is subject to the same conditions as those that apply to the S-N curve. The value of SN that is commonly found in the literature is the hypothetical value of maximum stress, Smax, minimum stress Smin, or stress amplitude, Sa, at which 50% of the specimens of a given sample could survive N stress cycles in which the mean stress Sm = 0. This is also known as the median fatigue strength at N cycles.

See also S-N curve.

"arc oxygen cutting"

See preferred term oxygen arc cutting.

"arc plasma"

See plasma arc cutting.

"banding"

Inhomogeneous distribution of alloying elements or phases aligned in filaments or plates parallel to the direction of working.

See also banded structure, ferrite-pearlite banding, and segregation banding.

Special Features

- ❖ It has links to social networking site like Facebook, Twitter, Google + and Pinterest, Instagram etc.
- Links to other resources are includes.
- ❖ A general contact, suggestions option available here.

Arrangement Pattern	In this dictionary terms are arranged in alphabetic order. For example under the alphabet 'F' the terms like Face, face milling, face-type cutters, failure, failure mechanism, false bottom, false brinelling etc. are arranged alphabetically.
Remarks	This freely available online dictionary on metal or metallurgical related terms is a great help for the students, researchers, teachers and other interested people of all round the globe.
Comparable Tools	 Metallurgical Terminology Glossary (https://www.metaltek.com/resources/library/glossary) A Glossary of Ferrous Metallurgy Terms (http://www.davistownmuseum.org/PDFs/GlossaryOfFerrousMetallurgyTerms.pdf)
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