



International Journal on Recent Researches In Science, Engineering & Technology

(Division of Mechanical Engineering)

A Journal Established in early 2000 as National journal and upgraded to International journal in 2013 and is in existence for the last 10 years. It is run by Retired Professors from NIT, Trichy. It is an absolutely free (No processing charges, No publishing charges etc) Journal Indexed in JIR, DIIF and SJIF.

Research Paper

Available online at: www.jrrset.com

ISSN (Print) : 2347-6729

ISSN (Online) : 2348-3105

**Volume 5, Issue 1,
January 2017**

JIR IF : 2.54

DIIF IF : 1.46

SJIF IF: 1.329

Effect of Heat treatment processes on mechanical properties of mild steel

Amit Kumar and Premraj

Abstract

The authors worked on analyzing the effect of various Heat Treatment Process as on mechanical properties of mild steel and stainless steel. The mechanical properties investigated by them included tensile strength, yield stress and elongation for different steels. The various heat treatment processes included annealing, quenching and normalizing. The heat treated samples were used for testing different material properties. They have identified the heat treatment process, to be used for best mechanical properties.