International Journal of Engineering Sciences Paradigms and Researches Vol. 04, Issue 01, April 2013 (An Indexed, Referred and Impact Factor Journal) ISSN (Online): 2319-6564 www.ijesonline.com

Abstract Details

Title: Comparative Analysis of Soft and Hard Brass Wire Electrode on WEDM Machining Performance Parameters Using Die Steel D7

Author: Rishi Kumar

Abstract: Die Steel AISI D7 is an important material for tool and dies mostly because of its high hardness, strength and wears resistance over a wide range of temperature. Die Steel AISI D7 is high carbon-high chromium die steel with added carbon and vanadium for unexcelled abrasion resisting qualities. It was developed especially for applications involving extreme abrasive wear. It has good non deforming Properties and wear resistance and but cannot be fabricated easily by conventional machining techniques. Since WEDM (Wire electrical discharge machining) has been shown to be a versatile method for machining difficult-to-work materials and suitable in conforming die Steel AISI D7, therefore WEDM process is chosen as a method to machine die Steel AISI D7 in this study.

Keywords: WEDM, Soft and Hard Brass Wire.

IJESPR www.ijesonline.com