

บรรณานุกรม

ภาษาไทย

ทวีป จีระประดิษฐ์, การศึกษาผลกระทบของเงื่อนไขการแปรรูปโลหะในกรรมวิธีอีดีเอ็ม.

วิทยานิพนธ์ วิศวกรรมศาสตรมหาบัณฑิต คณะวิศวกรรมศาสตร์ มหาวิทยาลัย

เทคโนโลยีพระจอมเกล้าธนบุรี, 2538.

เทพนรินทร์ ประพันธ์พัฒน์และพิพัฒน์ สุจิตธรรมกุล, โลหะวิทยาในงานวิศวกรรม(ภาคปฏิบัติ).

กรุงเทพฯ, โอเดียนสโตร์. 2547.

ศิริโรจน์ เกตุแก้ว, การประยุกต์ใช้พลังงานคลื่นอัลตราโซนิก สำหรับทำความสะอาดชิ้นส่วน

เครื่องยนต์ขนาดเล็ก. การประชุมเชิงวิชาการเครือข่ายพลังงานแห่งประเทศไทยครั้งที่ 3,

2550.

สมมติ จินดาพล, การศึกษาโครงสร้างจุลภาคและรอยแตกร้าวของชั้นหลอมสีขาวที่เกิดจากการ

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อภิวัฒน์ มุตะตามระและคณะ, ผลกระทบของค่าความเหนียวที่ต้านทานการแตกหักของแซฟไฟร์

ต่อสมบัติ EDM. วารสารวิจัยและพัฒนา มจร ปีที่ 29, 2549. 1.

ภาษาอังกฤษ

Abu Zeid, O.A., *On the effect of electrodischarge machining parameters on the fatigue*

life of AISI D6 tool steel. Journal of Materials Processing Technology, 1997.

68(1): p. 27-32.

Amir, A. and d. Mohammad, *Effect of ultrasonic-assisted EDM on the surface integrity Of*

cemented tungsten carbide (WC-Co). IntJAdvManufTechnol, 2009. 41: p. 268-

280.

Boothroyd, G. and A.K. Winston, *Non-conventional machining processes,in:*

Fundamental of Machining and MachineTools. 1989, New York: Marcel Dekker.

- Cherng Lin, Y., B. Hwa Yan, and F. Yuan Huang, *Surface modification of Al-Zn-Mg aluminum alloy using the combined process of EDM with USM*. Journal of Materials Processing Technology, 2001. 115(3): p. 359-366.
- Ekmekci, B.I., *Residual stresses and white layer in electric discharge machining (EDM)*. Applied Surface Science, 2007. 253(23): p. 9234-9240.
- Fengguo, C., *the EDM technology*. 2005: Chemical industry press.
- Fengguo, C., *The ultrasonic machining technology*. 2005: Chemical industry press.
- Gao, C. and Z. Liu, *A study of ultrasonically aided micro-electrical-discharge machining by the application of workpiece vibration*. Journal of Materials Processing Technology, 2003. 139(1-3): p. 226-228.
- Guu, Y.H. and H. Hocheng, *Improvement of fatigue life of electrical discharge machined AISI D2 tool steel by TiN coating*. Materials Science and Engineering A, 2001. 318(1-2): p. 155-162.
- Guzzo, P.L., A.H. Shinohara, and A.A. Raslan, *A Comparative Study on Ultrasonic Machining of Hard and Brittle Materials*. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2004. 26(1): p. 56-61.
- Ho, K.H. and S.T. Newman, *State of the art electrical discharge machining (EDM)*. International Journal of Machine Tools and Manufacture, 2003. 43(13): p. 1287-1300.
- Jianxin, D. and L. Taichiu, *Ultrasonic machining of alumina-based ceramic composites*. Journal of the European Ceramic Society. 2001, New York. 5-13.
- Kalpakjian, S. and S. Schmid, *Manufacturing Engineering and Technology*. 5 ed. 2006: Pearson Education Indochina Ltd
- Kuang-YuanKung and Jenn-TsongHorng, *Material removal rate and electrode wear ratio study On the powder mixed electrical discharge machining Of cobalt-bonded tungsten carbide*. Int J Adv Manuf Technol, 2007. 40: p. 95-104.
- Lee, H. T. and T. Y. Tai (2003). *Relationship between EDM parameters and surface crack formation*. Journal of Materials Processing Technology 142(3): 676-683.

- Lin, Y.C., *Surface Modification Of Al-Zn-Mg Aluminum alloy using the combined process of EDM with USM*. Journal of Materials Processing Technology 2001. 115: p. 359-366.
- Lin, Y.C., B.H. Yan, and Y.S. Chang, *Machining characteristics of titanium alloy (Ti-6Al-4V) using a combination process of EDM with USM*. Journal of Materials Processing Technology, 2000. 104(3): p. 171-177.
- M.A. Moreland, J. Schneider, and Samuel (Eds.), *Engineering Material Handbook*. Ultrasonic Machining-Book Chapter: Ceramics and Glasses. Vol. 4. 1991: ASM International.
- Malhotra, N., S. Rani, and H. Singh. *Improvements in performance of EDM-A review*. in *Southeastcon, 2008. IEEE*. 2008.
- Marek Rozenek and J. Kozak, *Electrical Discharge Machining in Dielectric-Powder Media*. Warsaw University of Technology, POLAND.
- McGeough, J.A., *Electro-discharge machining, in: Advanced Methods of Machining*. 1988, London: Chapman & Hall.
- Mingrang, C., et al. *Experimental Research on Small Holes by Electrical Discharge Machining Combined with Ultrasonic Vibration*. in *Industrial Electronics and Applications, 2007. ICIEA 2007. 2nd IEEE Conference on*. 2007.
- Mohd Abbas, N., D.G. Solomon, and M. Fuad Bahari, *A review on current research trends in electrical discharge machining (EDM)*. International Journal of Machine Tools and Manufacture, 2007. 47(7-8): p. 1214-1228.
- O'Brien, F.J., D. Taylor, and e. al, *Microcrack accumulation at different intervals during fatigue testing of compact bone*. Journal of Biomechanics 2003. 36(7): p. 973-980.
- Peças, P. and E. Henriques, *Influence of silicon powder-mixed dielectric on conventional electrical discharge machining*. International Journal of Machine Tools and Manufacture, 2003. 43(14): p. 1465-1471.

- Puertas, I. and C.J. Luis, *A study on the machining parameters optimisation of electrical discharge machining*. Journal of Materials Processing Technology, 2003. 143-144: p. 521-526.
- Shankar, P., V.K. Jain, and T. Sundarajan, *Analysis of Spark Profile During EDM Process*. Machining Science and Technology, 1997. 1: p. 195-217.
- Singh, R. and J.S. Khamba, *Ultrasonic machining of titanium and its alloys: A review*. Journal of Materials Processing Technology, 2006. 173(2): p. 125-135.
- Singh, S., *Effect of SiC powder-suspended dielectric fluid on the surface finish of 6061Al/Al₂O₃P/20p composites during electric discharge machining*. International Journal of Machining and Machinability of Materials, 2008. 4: p. 252 - 274.
- Singh, S., et al., *Parametric optimization of powder mixed electrical discharge machining by response surface methodology*. Journal of Materials Processing Technology, 2005: p. 427-436.
- Singh, S., S. Maheshwari, and P.C. Pandey, *Some investigations into the electric discharge machining of hardened tool steel using different electrode materials*. Journal of Materials Processing Technology, 2004. 149(1-3): p. 272-277.
- Sundaram, M., G. Pavalarajan, and K. Rajurkar, *A Study on Process Parameters of Ultrasonic Assisted Micro EDM Based on Taguchi Method*. Journal of Materials Engineering and Performance, 2008. 17(2): p. 210-215.
- Thoe, T.B., D.K. Aspinwall, and M.L.H. Wise, *Review on ultrasonic machining*. International Journal of Machine Tools and Manufacture, 1998. 38(4): p. 239-255.
- Tsai, H.C., B.H. Yan, and F.Y. Huang, *EDM performance of Cr/Cu-based composite electrodes*. International Journal of Machine Tools and Manufacture, 2003. 43(3): p. 245-252.
- Tung, W.H., *The Relationship between white layer and residual stress induced by EDM hole-drilling*. Mechanical Engineering, National Cheng Kung University, 1998.

- Valentin, J. and L. Duhovnik, *Comparison of material removal in micro and conventional EDM*. University of Ljubljana, Faculty of Mechanical Engineering, Slovenia.
- Wang, A.C., et al., *Use of micro ultrasonic vibration lapping to enhance the precision of microholes drilled by micro electro-discharge machining*. International Journal of Machine Tools and Manufacture, 2002. 42(8): p. 915-923.
- Wansheng, Z. and L. Jinchun, *the EDM technology*. 2000: HARBIN INSTITUTE OF TECHNOLOGY PRESS.
- Wansheng, Z., et al., *Ultrasonic and electric discharge machining to deep and small hole on titanium alloy*. Journal of Materials Processing Technology, 2002. 120(1-3): p. 101-106.
- Yan, B.H., et al., *Study of precision micro-holes in borosilicate glass using micro EDM combined with micro ultrasonic vibration machining*. International Journal of Machine Tools and Manufacture, 2002. 42(10): p. 1105-1112.
- Yu, Z., X. Hu, and K.P. Rajurkar, *Influence of Debris Accumulation on Material Removal and Surface Roughness in Micro Ultrasonic Machining of Silicon*. CIRP Annals - Manufacturing Technology, 2006. 55(1): p. 201-204.
- Yuan, S. and W. ZHAO, *research progress of the ultrasonic vibration electronic discharge machining*. Aviation precision manufacture technology, 1998.
- Zhixin, J., Z. Jianhua, and A. Xing, *Ultrasonic vibration pulse electro-discharge machining of holes in engineering ceramics*. Journal of Materials Processing Technology, 1995. 53(3-4): p. 811-816.
- Zhixin, J., Z. Jianhua, and A. Xing, *Study on a new kind of combined machining technology of ultrasonic machining and electrical discharge machining*. International Journal of Machine Tools and Manufacture, 1997. 37(2): p. 193-199.