

DAFTAR PUSTAKA

- Aramcharoen, A., & Mativenga, P. T. (2009). Size effect and tool geometry in micromilling of tool steel. *Precision Engineering*, 33(4), 402–407. <https://doi.org/10.1016/j.precisioneng.2008.11.002>
- Aslantas, K., Danish, M., Hasçelik, A., Mia, M., Gupta, M., Ginta, T., & Ijaz, H. (2020). investigations on surface roughness and toolwear characteristics in micro-turning of Ti-6Al-4V alloy. *Materials*, 13(13), 1–20. <https://doi.org/10.3390/ma13132998>
- Brehl, D. E., & Dow, T. A. (2008). Review of vibration-assisted machining. Dalam *Precision Engineering* (Vol. 32, Nomor 3, hlm. 153–172). <https://doi.org/10.1016/j.precisioneng.2007.08.003>
- Brinksmeier, E., & Preuss, W. (2012). Micro-machining. *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*, 370(1973), 3973–3992. <https://doi.org/10.1098/rsta.2011.0056>
- Brown, I., & Schoop, J. (2020). An Iterative Size Effect Model of Surface Generation in Finish Machining. *Journal of Manufacturing and Materials Processing*, 4(3). <https://doi.org/10.3390/jmmp4030063>
- Choudhury, I. A., & Ei-Baradie, M. A. (1997). Surface roughness prediction in the turning of high-strength steel by factorial design of experiments. Dalam *Journal of Materials Processing Technology ELS EVI E R Journal of Materials Processing Technology* (Vol. 67).
- Groover, M. P. (2020). *Fundamentals of Modern Manufacturing Materials, Processes, and Systems Seventh Edition*.
- He, C. L., Zong, W. J., & Zhang, J. J. (2018). Influencing factors and theoretical modeling methods of surface roughness in turning process: State-of-the-art. Dalam *International Journal of Machine Tools and Manufacture* (Vol. 129, hlm. 15–26). Elsevier Ltd. <https://doi.org/10.1016/j.ijmachtools.2018.02.001>
- Jack, C. X. (, Feng,), & Wang, X. (2002). Development of Empirical Models for Surface Roughness Prediction in Finish Turning. Dalam *Int J Adv Manuf Technol* (Vol. 20).
- Jin, M., & Murakawa, M. (2001). *Development of a practical ultrasonic vibration cutting tool system*. [https://doi.org/https://doi.org/10.1016/S0924-0136\(01\)00649-5](https://doi.org/https://doi.org/10.1016/S0924-0136(01)00649-5)
- Kandi, R., Sahoo, S. K., & Sahoo, A. K. (2020). Ultrasonic vibration-assisted turning of Titanium alloy Ti–6Al–4V: numerical and experimental investigations. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 42(8). <https://doi.org/10.1007/s40430-020-02481-5>

- Kim, C.-J., Bono, M., & Ni, J. (2002). *Experimental Analysis of Chip Formation in Micro-Milling* author(s). www.sme.org/namri
- Liu, K., & Melkote, S. N. (2006). Effect of plastic side flow on surface roughness in micro-turning process. *International Journal of Machine Tools and Manufacture*, 46(14), 1778–1785. <https://doi.org/10.1016/j.ijmachtools.2005.11.014>
- Liu, X., Wu, D., & Zhang, J. (2018). Fabrication of micro-textured surface using feed-direction ultrasonic vibration-assisted turning. *International Journal of Advanced Manufacturing Technology*, 97(9–12), 3849–3857. <https://doi.org/10.1007/s00170-018-2082-y>
- Liu, X., Zhang, J., Li, L., & Huang, W. (2022). Theoretical and Simulation Analysis on Fabrication of Micro-Textured Surface under Intermittent Cutting Condition by One-Dimensional Ultrasonic Vibration-Assisted Turning. *Machines*, 10(3). <https://doi.org/10.3390/machines10030166>
- Mae, T., Nakata, K., Kumai, T., Ishibashi, Y., Suzuki, T., Sakamoto, T., Ohori, T., Hirose, T., & Yoshikawa, H. (2019). Characteristics of ultrasound device: a new technology for bone curettage and excavation. *Journal of Experimental Orthopaedics*, 6(1). <https://doi.org/10.1186/s40634-019-0203-7>
- Masuzawa, T., Klocke, F., Hochschule Aachen, T., J-P Kruth, G., Universiteit Leuven, K., McGeough, B. J., & Allen, D. (1997). *Keynote Papers method Keynote Papers injection EDM etching molding turning electro-coining milling forming electro-punching forming grinding LBM I BM Presented at the Scientific Technical Committee Paper Discussion Sessions Three-Dimensional Micromachining by Machine Tools*.
- Mian, A. J. (2011). *Size Effect in Micromachining*.
- Muhammad, R., Hussain, M. S., Maurotto, A., Siemers, C., Roy, A., & Silberschmidt, V. V. (2014). Analysis of a free machining $\alpha+\beta$ titanium alloy using conventional and ultrasonically assisted turning. *Journal of Materials Processing Technology*, 214(4), 906–915. <https://doi.org/10.1016/j.jmatprotec.2013.12.002>
- Nategh, M. J., Amini, S., & Soleimanimehr, H. (2010). Modeling the force, surface roughness and cutting temperature in ultrasonic vibration-assisted turning of Al7075. *Advanced Materials Research*, 83–86, 315–325. <https://doi.org/10.4028/www.scientific.net/AMR.83-86.315>
- Nath, C., & Rahman, M. (2008). Effect of machining parameters in ultrasonic vibration cutting. *International Journal of Machine Tools and Manufacture*, 48(9), 965–974. <https://doi.org/10.1016/j.ijmachtools.2008.01.013>
- Norberto López de Lacalle, L., Campa, F. J., Lamikiz, A., Celaya, A., López de Lacalle, L. N., Campa, F. J., & Lamikiz, A. (2013). *Application of ultrasonics*

as assistance in machining operations New lubrication techniques for improved machining View project Stability analysis in machining operations View project Application Of Ultrasonics As Assistance In Machining Operations. <https://www.researchgate.net/publication/259950089>

Özel, T., & Karpat, Y. (2005). Predictive modeling of surface roughness and tool wear in hard turning using regression and neural networks. *International Journal of Machine Tools and Manufacture*, 45(4–5), 467–479. <https://doi.org/10.1016/j.ijmachtools.2004.09.007>

Pramanik, A. (2014). Problems and solutions in machining of titanium alloys. *International Journal of Advanced Manufacturing Technology*, 70(5–8), 919–928. <https://doi.org/10.1007/s00170-013-5326-x>

Rafidah, A., Nurulhuda, A., Azrina, A., Suhaila, Y., Anwar, I. S., & Syafiq, R. A. (2014). Comparison design of experiment (DOE): Taguchi method and full factorial design in surface roughness. *Applied Mechanics and Materials*, 660, 275–279. <https://doi.org/10.4028/www.scientific.net/AMM.660.275>

Rahman, M. A., Rahman, M., & Kumar, A. S. (2017). Chip perforation and ‘burnishing-like’ finishing of Al alloy in precision machining. *Precision Engineering*, 50, 393–409. <https://doi.org/10.1016/j.precisioneng.2017.06.014>

Schubert, A., Nestler, A., Pinternagel, S., & Zeidler, H. (2011). Influence of ultrasonic vibration assistance on the surface integrity in turning of the aluminium alloy AA2017. *Materialwissenschaft und Werkstofftechnik*, 42(7), 658–665. <https://doi.org/10.1002/mawe.201100834>

Senthilkumar, V., & Muruganandam, S. (2012). *State of the Art of Micro turning Process International Journal of Emerging Technology and Advanced Engineering State of the Art of Micro turning Process* (Vol. 2, Nomor 1). <https://www.researchgate.net/publication/316104795>

Shaw, M. C. (1995). Precision Finishing*. Dalam *Annals of the CIRP* (Vol. 44, Nomor 1).

Vollertsen, F. (2008). Categories of size effects. *Production Engineering*, 2(4), 377–383. <https://doi.org/10.1007/s11740-008-0127-z>

Wojciechowski, S. (2022). Estimation of minimum uncut chip thickness during precision and micro-machining processes of various materials—a critical review. Dalam *Materials* (Vol. 15, Nomor 1). MDPI. <https://doi.org/10.3390/ma15010059>

Wu, X., Li, L., He, N., Hao, X., Yao, C., & Zhong, L. (2016). Investigation on the ploughing force in microcutting considering the cutting edge radius. *International Journal of Advanced Manufacturing Technology*, 86(9–12), 2441–2447. <https://doi.org/10.1007/s00170-016-8386-x>

- Yang, Z., Zhu, L., Zhang, G., Ni, C., & Lin, B. (2020). Review of ultrasonic vibration-assisted machining in advanced materials. Dalam *International Journal of Machine Tools and Manufacture* (Vol. 156). Elsevier Ltd. <https://doi.org/10.1016/j.ijmachtools.2020.103594>
- You, S. H., Lee, J. H., & Oh, S. H. (2019). A Study on Cutting Characteristics in Turning Operations of Titanium Alloy used in Automobile. *International Journal of Precision Engineering and Manufacturing*, 20(2), 209–216. <https://doi.org/10.1007/s12541-019-00027-x>
- Yousefi, S., & Zohoor, M. (2018). Experimental Studying of the Variations of Surface Roughness and Dimensional Accuracy in Dry Hard Turning Operation. *The Open Mechanical Engineering Journal*, 12(1), 175–191. <https://doi.org/10.2174/1874155x01812010175>
- Yuan, Z. J., Zhou, M., Dong, S., & Box, P. O. (1996). Materials Processing Technology Effect of diamond tool sharpness on minimum cutting thickness and cutting surface integrity in ultraprecision machining. Dalam *Journal of Materials Processing Technology* (Vol. 62).
- Zhang, C., Guo, P., Ehmann, K. F., & Li, Y. (2016). Effects of ultrasonic vibrations in micro-groove turning. *Ultrasonics*, 67, 30–40. <https://doi.org/10.1016/j.ultras.2015.12.016>
- Zhang, M., Zhang, D., Geng, D., Liu, J., Shao, Z., & Jiang, X. (2020). Surface and sub-surface analysis of rotary ultrasonic elliptical end milling of Ti-6Al-4V. *Materials and Design*, 191. <https://doi.org/10.1016/j.matdes.2020.108658>
- Zhang, S. J., To, S., Wang, S. J., & Zhu, Z. W. (2015). A review of surface roughness generation in ultra-precision machining. Dalam *International Journal of Machine Tools and Manufacture* (Vol. 91, hlm. 76–95). Elsevier Ltd. <https://doi.org/10.1016/j.ijmachtools.2015.02.001>