

REFERENCES

- Abdelkrim, F. (2020). Multi-input fuzzy inference system based model to predict the cutting temperature when milling AISI 1060 steel. *Journal of Applied Research and Technology*, 18, 245–258.
- Alhajri, D. F. (2023). A Review of the Effects of Temperature on the Cutting Edge of Cutting Tools. *Marine Sciences*, 8(11), 31.
- Azizur Rahman, M., Bhuiyan, M. S., Sharma, S., Kamal, M. S., Musabbir Imtiaz, M. M., Alfaify, A., Nguyen, T. T., Khanna, N., Sharma, S., Gupta, M. K., Anwar, S., & Mia, M. (2021). Influence of feed rate response (FRR) on chip formation in micro and macro machining of al alloy. *Metals*, 11(1), 1–21. <https://doi.org/10.3390/met11010159>
- Chen, H., Ginzburg, V. V., Yang, J., Yang, Y., Liu, W., Huang, Y., Du, L., & Chen, B. (2016a). Thermal conductivity of polymer-based composites: Fundamentals and applications. *Progress in Polymer Science*, 59, 41–85. <https://doi.org/10.1016/J.PROGPOLYMSCI.2016.03.001>
- Chen, H., Ginzburg, V. V., Yang, J., Yang, Y., Liu, W., Huang, Y., Du, L., & Chen, B. (2016b). Thermal conductivity of polymer-based composites: Fundamentals and applications. *Progress in Polymer Science*, 59, 41–85. <https://doi.org/10.1016/j.progpolymsci.2016.03.001>
- Deng, Q., Chen, Z. C., Chang, Z., Shen, R., & Zhou, Y. (2020). A model for investigating the temperature of trochoidal machining. *Journal of Industrial and Production Engineering*, 37(4), 194–203. <https://doi.org/10.1080/21681015.2020.1769749>
- Deng, Q., Mo, R., Chen, Z. C., & Chang, Z. (2020). An analytical approach to cutter edge temperature prediction in milling and its application to trochoidal milling. *Applied Sciences (Switzerland)*, 10(5). <https://doi.org/10.3390/app10051746>
- Espinoza-Torres, I., Martínez-Ramírez, I., Sierra-Hernández, J. M., Jauregui-Vazquez, D., Gutiérrez-Rivera, M. E., Carmen, F. de J. T. Del, & Lozano-Hernández, T. (2023). Measurement of Cutting Temperature in Interrupted

- Machining Using Optical Spectrometry. *Sensors (Basel, Switzerland)*, 23(21).
<https://doi.org/10.3390/s23218968>
- Han, F. Y., Gu, Z. C., He, L. L., Gou, T. M., Zhang, C. W., Yang, M. Z., & Shi, R. G. (2024). An optimization method of trochoidal radius for trochoidal milling hole based on the adaptive feed rate scheduling. *International Journal of Advanced Manufacturing Technology*, 130(3–4), 1527–1539.
<https://doi.org/10.1007/s00170-023-12804-0>
- Li, Y., Yu, M., Bai, Y., Hou, Z., & Wu, W. (2021). A review of thermal error modeling methods for machine tools. *Applied Sciences (Switzerland)*, 11(11).
<https://doi.org/10.3390/app11115216>
- Luo, M., Wang, J., Wu, B., & Zhang, D. (2017). Effects of cutting parameters on tool insert wear in end milling of titanium alloy Ti6Al4V. *Chinese Journal of Mechanical Engineering (English Edition)*, 30(1), 53–59.
<https://doi.org/10.3901/CJME.2016.0405.045>
- Ma, J., Qiu, C., & Lei, S. (2015). Comparison of the effects of down milling and up milling on the tool temperature in machining of Ti-6Al-4V. *ASME 2015 International Manufacturing Science and Engineering Conference, MSEC 2015*, 1, 1–8. <https://doi.org/10.1115/MSEC20159450>
- Otkur, M., & Lazoglu, I. (2007). Trochoidal milling. *International Journal of Machine Tools and Manufacture*, 47(9), 1324–1332.
<https://doi.org/10.1016/j.ijmachtools.2006.08.002>
- 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>
- Ren, Z., Zhang, X., Wang, Y., Li, Z., & Liu, Z. (2021). Finite element analysis of

- the milling of ti6al4v titanium alloy laser additive manufacturing parts. *Applied Sciences (Switzerland)*, 11(11). <https://doi.org/10.3390/app11114813>
- Sivakumar, M., Parthasarathy, S., & Padmapriya, T. (2024). Trade-off between training and testing ratio in machine learning for medical image processing. *PeerJ Computer Science*, 10, e2245. <https://doi.org/10.7717/peerj-cs.2245>
- Swan, S., Abdullah, M. S. Bin, Kim, D., Nguyen, D., & Kwon, P. (2018). Tool wear of advanced coated tools in drilling of CFRP. *Journal of Manufacturing Science and Engineering, Transactions of the ASME*, 140(11). <https://doi.org/10.1115/1.4040916>
- Veerappan, G., Logesh, K., Chaturvedi, R., Ravichandran, M., Mohanavel, V., Hossain, I., Kannan, S., Alotaibi, M. A., & Seikh, A. H. (2024). Experimental and numerical analysis on the cutting force, cutting temperature, and tool wear of alloy steel (4340) during turning process. *AIP Advances*, 14(11). <https://doi.org/10.1063/5.0227710>
- Wagih, M. (2023). *Investigating the effects of trochoidal milling parameters on the waviness and surface roughness of P20 alloy steel slots: Analytical and Experimental*. 0–43.
- 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>
- The Engineering ToolBox (2005). *Metals, Metallic Elements and Alloys - Thermal Conductivities*. [online] Available at: https://www.engineeringtoolbox.com/thermal-conductivity-metals-d_858.html