

# Appendix A: List of Publications

## A1 JOURNAL ARTICLES FROM THE THESIS

1. **Ankit Agarwal**, K.A. Desai, Modeling of flatness error in end milling of thin-walled components, *Proc. of IMechE Part B: Journal of Engineering Manufacture*, 235(3), 543-554, 2021.
2. **Ankit Agarwal**, K.A. Desai, Predictive framework for cutting force induced cylindricity error estimation in end milling of thin-walled components, *Precision Engineering*, 66, 209-219, 2020.
3. **Ankit Agarwal**, K.A. Desai, Importance of bottom and flank edges in force models for flat-end milling operation, *The International Journal of Advanced Manufacturing Technology*, 107(3), 1437-1449, 2020.
4. **Ankit Agarwal**, K.A. Desai, Rigidity Regulation Approach for Geometric Tolerance Optimization in End Milling of Thin-walled Components, Revision Submitted to *ASME Journal of Manufacturing Science and Engineering*.
5. **Ankit Agarwal**, K.A. Desai, Effect of workpiece geometry on geometric tolerances in end milling of thin-walled components. (Manuscript under review)

## A2 CONFERENCE PROCEEDINGS FROM THE THESIS

1. **Ankit Agarwal**, K.A. Desai, Amalgamation of physics-based cutting force model and machine learning approach for end milling operation, *53rd CIRP Conference on Manufacturing System (CIRP CMS)* July 2020, Chicago, USA. (Procedia CIRP, 93, 1405-1410, 2020)
2. **Ankit Agarwal**, K.A. Desai, Tool and workpiece deflection induced flatness errors in milling of thin-walled components, *53rd CIRP Conference on Manufacturing System (CIRP CMS)* July 2020, Chicago, USA. (Procedia CIRP, 93, 1411-1416, 2020)
3. **Ankit Agarwal**, K.A. Desai, Effect of workpiece curvature on axial surface error profile in flat end milling of thin-walled components *48th SME North American Manufacturing Research Conference (SME NAMRC 48)* June 2020, Cincinnati, USA. (Procedia Manufacturing, 48, 498-507, 2020)

## A3 OTHER PUBLICATIONS RELEVANT TO FINDINGS FROM THE THESIS

1. Shubham Vaishnav, **Ankit Agarwal**, K.A. Desai, Machine learning-based instantaneous cutting force model for end milling operation, *Journal of Intelligent Manufacturing*, 31(6), 1353-1366, 2020.
2. Neha Arora, **Ankit Agarwal**, K.A. Desai, Modelling of static surface error in end milling of thin-walled geometries, *International Journal of Precision Technology*, 8(2-4), 107-123, 2019.
3. Neha Arora, **Ankit Agarwal**, K.A. Desai, Modeling of static surface error in end milling of thin-walled geometries, *10th International Conference on Precision, Meso, Micro and Nano Engineering 2017 (COPEN-2017)*, IIT Madras, pp 849-853.