

Prediction and Modeling of Roughness in Ball End Milling with Tool-Surface Inclination

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The quality of finish milling of shaped surfaces is influenced by a number of input parameters. Current automated manufacturing systems allow adaptive adaptation to the local machining area. Despite all the advantages, these systems require a behavioral model, a prediction of the output of the input parameters. Many of the models currently in place summarize this paper, including contemporary published models and their functional dependencies; it also offers the application of milling with a ball-end cutter with an inclined tool axis or surface.

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