



Accuracy Improvements in Machine Tools and Machining

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Message from the Guest Editors

Dear Colleagues,

In recent years, the demand for accurate machining and precise assembly of components in a way that makes it possible to locate and align them together in a much closer proximity has grown significantly. The demands put forward by recent innovations in the fields of nano-, micro-, and ultra-precision machining create a need for the development of novel methods for identification and correction of errors influencing machining, selection of optimal manufacturing parameters, and calibration and verification of machine tools. All of that is in order to push forward the machining capabilities, which in turn may bring very positive long-term effects, including reduction of friction in powertrain solutions leading to a decrease in emission of pollution, reduction of energy consumption, reduction of the amount of machining allowances, and reduction of time, costs, and energy expenditure for the purposes of mechanical processing.

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Message from the Editor-in-Chief

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