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## Advanced Manufacturing and Precision Machining

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Advanced manufacturing is a core technological domain critical for modern industrial transformation and enhancing global competitiveness. By deeply integrating traditional manufacturing with technologies such as electronic information, computer science, materials engineering, and intelligent control, it significantly improves manufacturing precision, efficiency, and sustainability. Precision machining, as an essential part of this field, provides key technical support for high-tech industries such as aerospace, medical devices, and semiconductors, including the production of high-performance components such as gears, bearings, and screws. With advancements in precision machining technology, production is not only more refined but also significantly enhanced in terms of efficiency and product quality. This Special Issue, “Advanced Manufacturing and Precision Machining,” consists of ten peer-reviewed papers and explores the latest developments in the field of precision machining, with a focus on balancing high precision and high efficiency in complex manufacturing environments. As intelligent and digital technologies continue to advance, the future of advanced manufacturing will be more efficient, intelligent, and green. Interdisciplinary innovation and technological integration play an increasingly important role in driving progress. This Special Issue can provide crucial theoretical support and practical guidance for researchers and industry professionals.



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