Special Issue

Hot, Warm and Cold Stamping of High Strength Steel and Aluminium Alloy Parts

Message from the Guest Editors

To improve the fuel efficiency of automobiles, the use of lightweight materials increases. High strength steel sheets have the advantages of low costs and a huge amount of production. The strength of the steel sheets increases, and that of ultra-high strength steel sheets exceeds 1 GPa. The application of the ultra-high strength steel sheets to body-in-white widely expands with rise in crash safety standards of automobiles, and these sheets are conventionally cold-stamped. To improve the drawbacks for the high strength steel sheets, warm stamping processes are tried. In hot stamping of quenchable steel sheets, high strength steel parts having a tensile strength of 1500 MPa can be produced under a low forming load. On the other hand, for high strength aluminum alloy sheets, not only cold stamping but also warm and hot stamping are attractive due to the improvement of springback and formability. For further information, please visit mdpi.com/si/38823.

Guest Editors

Prof. Dr. Ken-ichiro Mori

Department of Mechanical Engineering, Toyohashi University of Technology, Tempaku, Toyohashi, Aichi 400-8580, Japan

Dr. Tomoyoshi Maeno

Division of Systems Research, Faculty of Engineering, Yokohama National University, Yokohama, Kanagawa 240-8501, Japan

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Journal of Manufacturing and Materials Processing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmmp@mdpi.com

mdpi.com/journal/jmmp

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Journal of Manufacturing and Materials Processing (*JMMP*)(ISSN 2504-4494) is a new MDPI peer-reviewed, open access venue with a focus on the scientific fundamentals and engineering methodologies of manufacturing and materials processing. We offer an online platform facilitating effective exchange of innovative scientific and engineering ideas and the dissemination of recent, original, and significant research and developmental findings. On behalf of the Editorial Board, I extend an invitation to our scientific and engineering colleagues to contribute high-quality, innovative, and ground-breaking research articles to *JMMP.*

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Prof. Dr. Steven Y. Liang
George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology, Atlanta, GA 30332-0405, USA

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