



Precision Manufacturing and Machine Tools

Guest Editors:

Dr. Marcel Kuruc

Faculty of Materials Science and
Technology, Slovak University of
Technology in Bratislava,
Bratislava, Slovakia

Prof. Dr. Jozef Peterka

Faculty of Materials Science and
Technology, Slovak University of
Technology in Bratislava,
Bratislava, Slovakia

Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editors

Precision manufacturing and machine tools play a crucial role in the production of high-quality, intricate, and accurate components and products across various industries. The primary goal of precision manufacturing is to produce parts or products that meet or exceed specified dimensions, surface finishes, and quality standards. This approach is essential in industries where precision is critical, such as aerospace, automotive, medical devices, electronics, and more. Precision manufacturing relies on the use of advanced machine tools to create products with exceptional accuracy and consistency. Precision machine tools are essential for achieving the tight tolerances and high accuracy demanded by precision manufacturing. Machine tools are typically equipped with various tools and attachments that can be swapped out to perform different operations. They are often used in conjunction with CAD and CAM software to design parts and generate toolpaths for machining.





an Open Access Journal by MDPI

Editor-in-Chief

**Prof. Dr. Antonio J. Marques
Cardoso**

CISE—Electromechatronic
Systems Research Centre,
University of Beira Interior,
Calçada Fonte do Lameiro, P -
6201-001 Covilhã, Portugal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within *Scopus*, *SCIE (Web of Science)*, *Inspec*, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Mechanical*)

Contact Us

Machines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/machines
machines@mdpi.com
X@Machines_MDPI