



## Precision Manufacturing and Intelligent Machine Tools

Guest Editors:

**Prof. Dr. Yuanliu Chen**

State Key Laboratory of Fluid  
Power and Mechatronic Systems,  
Zhejiang University, Hangzhou  
310027, China

**Dr. Yang Zhang**

Department of Mechanical  
Engineering, Technical University  
of Denmark, Produktionstorvet,  
427A, 2800 Kgs. Lyngby, Denmark

Deadline for manuscript  
submissions:

**closed (30 September 2022)**

### Message from the Guest Editors

Dear Colleagues,

Precision manufacturing and intelligent machine tools are of great importance in current and future industries. Precision manufacturing is an advanced manufacturing technique that can be used to produce parts composed of a variety of materials with high accuracy and surface/subsurface integrity to meet the requirements of astronomy, semiconductor, biomedicine, precision optics, etc.

The integration of manufacturing processes with intelligent sensors, software, and even intelligent algorithms, which form the basis for intelligent machine tools, provides the possibility of developing manufacturing processes with improved productivity and process capability. This developing trend has continuously enriched precision manufacturing. This Special Issue of Applied Sciences will consider papers that present new technologies and significant contributions for the promotion of precision manufacturing and intelligent machine tools.

Click on the link below or scan the QR code on the left, you could find more details on this issue:

[appls-ci.com/special\\_issues/Precision\\_Manufacturing\\_Machine](https://appls-ci.com/special_issues/Precision_Manufacturing_Machine)



[mdpi.com/si/95444](https://mdpi.com/si/95444)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## 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, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/applsci)