

Special Issue

Recent Progress of Thin Wall Machining

Message from the Guest Editor

The aim of this Special Issue is to provide a platform for research that addresses challenges and advanced theories in the manufacture of thin-wall parts, which will be beneficial to both researchers and manufacturers. Both original research and review articles related to thin-walled components are welcome. Potential topics include (but are not limited to) the following:

- Machining dynamics, stability prediction, and chatter suppression theory/technology;
- Deformation and compensation theory/technology;
- Tool path design and optimization;
- Cutting force prediction;
- Residual stress prediction and control theory/technology;
- Simulation theory/technology using finite element methods (FEM);
- Surface-integrity control theory/methods/technology;
- Computer-aided design theory/methods.

Guest Editor

Prof. Dr. Yuwen Sun

School of Mechanical Engineering, Dalian University of Technology,
Ganjingzi District, Dalian 116024, China

Deadline for manuscript submissions

closed (30 June 2023)



Machines

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.7



mdpi.com/si/135670

Machines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
machines@mdpi.com

[mdpi.com/journal/
machines](https://mdpi.com/journal/machines)





Machines

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.7



[mdpi.com/journal/
machines](https://mdpi.com/journal/machines)



About the Journal

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.

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1
(Control and Optimization)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).