INTERNATIONAL JOURNAL OF MACHINE TOOLS AND MANUFACTURE
Design, Research & Application

AUTHOR INFORMATION PACK

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DESCRIPTION

The *International Journal of Machine Tools and Manufacture* is devoted to advances in scientific understanding of essential mechanics of processes and machines applied to the manufacture of engineering components, mainly in metals, but also in composites, ceramics and other structural/functional materials. To this end coverage is given to a range of topics that includes:

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- In-depth characterisation of workpiece materials (structure/surfaces) by advanced techniques (e.g. SEM, EDS, TEM, EBSD, AES, Raman spectroscopy) to reveal new phenomenological aspects that govern manufacturing processes
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Description
The International Journal of Machine Tools and Manufacture is devoted to advances in scientific understanding of essential mechanics of processes and machines applied to the manufacture of engineering components, mainly in metals, but also in composites, ceramics and other structural/functional materials. It does not deal with large-scale natural organic materials. To this end coverage is given to a range of topics that includes:

- Essential mechanics of processes involving material removal, accretion and deformation, in solid, semi-solid or particulate form
- Performance characteristics of machine tools and machine tool work-piece systems
- Tool design, utilization and failure
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