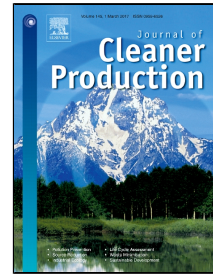


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Simulation-based machining condition optimization for machine tool energy consumption reduction

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- Simulation-based method to reduce the energy consumption of machine tool is proposed.
- Virtual machine tool to estimate the energy consumption during machining is built.
- Optimal machining conditions to minimize the energy consumption is obtained.
- Energy consumption reduction using proposed method is demonstrated experimentally.

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