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STANDARD

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## **Airborne noise emitted by machine tools — Operating conditions for woodworking machines**

*Bruit aérien émis par les machines-outils — Conditions de fonctionnement des machines à bois*



Reference number  
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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 7960 was prepared by Technical Committee ISO/TC 39, *Machine tools*, Subcommittee SC 6, *Noise of machine tools* and ISO/TC 43, *Acoustics*.

Annexes A to H, J to N and P to U form an integral part of this International Standard. Annex V is for information only.

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# Airborne noise emitted by machine tools — Operating conditions for woodworking machines

## 1 Scope

This International Standard, together with basic noise emission International Standards, describes the mechanical and acoustical specifications necessary for a reproducible test method for the determination of airborne noise emitted by woodworking machines.

NOTE 1 Acoustic measurement procedures and noise data reporting are given in the basic acoustic standards selected from the ISO 3740 series, ISO 4871 and the ISO 11200 series (see annex V).

This International Standard specifies operating conditions and microphone positions for the measurement of noise emitted by woodworking machines.

It applies to:

- single-blade circular saw benches (annex A);
- planing machines (annex B);
- thickness planing machines (annex C);
- single-spindle moulding machines (annex D);
- double-end profiling machines (annex E);
- edge banding machines (annex F);
- double-end sizing and edge banding machines (annex G);
- two-side and multi-side planing machines and moulding machines (annex H);
- bandsawing machines (annex J);
- single-end tenoning machines (annex K);
- routing machines (annex L);
- double-end trim circular machines (nonstroke) (annex M);

- single-blade stroke circular sawing machines for cross cutting (annex N);
- vertical and horizontal panel sizing sawing machines (annex P);
- multiblade circular sawing machines (for ripping) (annex Q);
- sanding machines (annex R);
- double-edging circular sawing machines (for rough cutting) (annex S);
- double-blade stroke circular sawing machines for cross cutting (annex T);
- double-end tenoning machines (for tenoning only) (annex U).

The existence of special-purpose machines, for which such standard operating conditions cannot be specified, is acknowledged. This International Standard applies to the types of woodworking machines listed above. Additional types will be covered in future editions of this International Standard (ISO 7960).

## 2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 7984:1988, *Woodworking machines — Technical classification of woodworking machines and auxiliary machines for woodworking.*