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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 46628-2025

**Safety of woodworking machines - Circular sawing machines
with travelling table
(English Translation)**

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References

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is equivalent to ISO 19085-5:2024 "Safety of woodworking machine tools - Part 5: Dimensioning saws".

The following minimal editorial changes have been made to this document.

---To align with existing standards, the standard name has been changed to "Woodworking Machine Tool Safety Belt Moving Worktable Saw".

---Corrected the reference error in 7.2.2f) ISO 7010:2020 to ISO 7010:2019;

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China Machinery Industry Federation.

This document is under the jurisdiction of the National Technical Committee on Standardization of Woodworking Machine Tools and Cutting Tools (SAC/TC84).

1 Scope

This document outlines the safety requirements and measures for continuous processing saws with moving worktables (hereinafter referred to as "machine tools").

The machine tool is designed for sawing solid wood and materials with similar physical properties to wood.

This document addresses the hazards listed in Appendix A (Hazards List) related to machine tools when operated, adjusted, and maintained according to the manufacturer's intended specifications.

All significant hazards, dangerous situations, and events related to the device, including reasonably foreseeable misuse. Furthermore, transportation, assembly, disassembly, and decommissioning are also considered.

And the dangers of the scrapping stage.

The machine tool may be equipped with one or more of the following devices/additional work units (the hazards of these devices/units have been addressed).

- a) Lifting devices for the main saw blade and the marking saw blade;
- b) Inclining devices for the main saw blade and the marking saw blade;
- c) Marking device;
- d) A grooving device for milling cutters with a grooving width not exceeding 20 mm;
- e) Detachable power feed unit;
- f) A mobile, movable workbench;
- g) Workpiece clamping device.

This document does not apply to machine tools used in potentially explosive atmospheres or machine tools manufactured before the date of this document's publication.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

GB/T 15706-2012 General principles for safety design of machinery. risk assessment and risk reduction (ISO 12100:2010, IDT) GB/T 23821-2022 Safety of machinery - Safe distances to prevent upper and lower limbs from touching hazardous areas (ISO 13857:2019, IDT) GB/T 44902-2024 Common Safety Requirements for Woodworking Machine Tools (ISO 19085-1:2021, IDT) ISO 7010:2019 Registration of graphic symbols, safety colors, and safety signs.

Note: GB 2894-2008 Safety signs and their usage guidelines (ISO 7010, MOD) requirements-Part 1: Millingtools,circularsawblades)

3 Terms and Definitions

The terms and definitions defined in GB/T 15706-2012 and GB/T 44902-2024, as well as the following terms and definitions, apply to this document.