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PEOPLE'S REPUBLIC OF CHINA**

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Woodworking machines - Safety technical specification

木工机床 安全技术规范

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document replaces GB 12557-2010 "General Safety Rules for Woodworking Machine Tools" and GB 12557-2010 "General Safety Rules for Woodworking Machine Tools" Compared with the previous version, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

- Changed the terms and definitions (see Chapter 3, see Chapter 3 of the.2010 edition);
- Deleted the hazard list (see Chapter 4 of the.2010 edition);
- Deleted "General requirements for manipulators" (see 5.2.3 of the.2010 edition);
- Deleted the brake system test (see 5.3.4.3 of the.2010 edition);
- Deleted the requirements for "self-adjusting protective devices" (see 5.3.8.4 of the.2010 edition);
- Deleted the requirements for "automation and mechanization" (see 5.3.9 of the.2010 edition);

--- Deleted the requirements for "multi-process machine tools" (see 5.3.11 of the 2010 edition);

1 Scope

GB 12557-2024 is the Chinese national standard on woodworking machines - safety technical specification, in the field of wood technology. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 29 September 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 October 2025. Classification: ICS 79.120.10, CCS J65. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the safety technical requirements and inspection methods for woodworking machine tools. This document is applicable to fixed and movable woodworking saws, woodworking planers, woodworking milling machines, woodworking drilling machines, woodworking mortising machines, woodworking lathes Woodworking machines, woodworking polishing machines, woodworking combined machines, woodworking auxiliary machines, woodworking multi-process machine tools, woodworking joining, assembly and coating machines, etc. (hereinafter referred to as called "machine tool").

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB 4208-2017 Enclosure Protection Degrees (IP Code)

GB/T 5226.1-2019 Electrical safety of machinery Electrical equipment of machinery Part

3 Terms and definitions

The terms and definitions defined in GB/T 44902-2024 apply to this document.

4 Safety requirements and/or measures

4.1 Safety and reliability of control systems The design and implementation of any safety

functions implemented in electrical, pneumatic, hydraulic or mechanical technology shall comply with Requirements of GB/T 16855.1-2018. The safety function of the machine tool is realized through the safety-related components of the machine tool control system (SRP/CS), and it is ensured that the components meet the requirements of Performance level (PLr) required by Chapter 4 and Chapter 5 of GB/T 44902-2024. Inspection method. Check documents, drawings and/or circuit diagrams, calculations, check machine tools and perform functional checks.

4.2 Control Devices All manual control devices should be placed in a safe area and easy to operate and