

ICS 79.120.10
CCS J 65



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

GB/T 19992-2025

Replacing GB/T 19992-2005

**Radial sawing machines for woodworking - Vocabulary and
accuracy**

摇臂式木工圆锯机 术语和精度

Issued on: October 31, 2025

Implemented on: May 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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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 supersedes GB/T 19992-2005 "Terminology and Precision of Woodworking Machine Tools - Radial Circular Saws" and is consistent with GB/T 19992-2005. In comparison, aside from structural adjustments and editorial changes, the main technical changes are as follows:

---The normative references have been changed (see 4.2,

4.7 and Table 1; 3.2,

3.7 and Table 2 in the.2005 edition);

---The term "Terminology" has been changed to "Terms and Definitions," and the example diagram and related technical content of the rocker arm woodworking circular saw have been revised (see page 3). Chapter 4 (2005 edition);

---The phrase "Brief Description" has been changed to "General Requirements," and the relevant content descriptions have been revised (see Chapter 4, Chapter 3 of the.2005 edition);

---The inspection methods in the geometric accuracy inspection items have been changed (see Chapter 5, Chapter 5 of the.2005 edition). 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). This document was drafted by: Shunde Polytechnic, Guangdong Product Quality Supervision and Inspection Institute, Fujian Provincial Academy of Mechanical Sciences, and Foshan. Foshan Jinshangyun Testing Technology Service Co., Ltd. and Foshan Hongma CNC Technology Co., Ltd. The main drafters of this document are. Ding

Hongzhen, Yin Zhihong, Gong Yiqian, Liu Xiaohong, Zhou Xiong, and He Guoqiang. This document was first published in 2005; this is its first revision. Radial arm woodworking circular saw terminology and precision

1 Scope

GB/T 19992-2025 is the Chinese national standard covering the radial arm saw - the terms for its parts and movements, and the accuracy checks on the arm, the column and the blade alignment that decide whether a crosscut comes out square. Issued on 31 October 2025, it has been in force since 1 May 2026, replacing GB/T 19992-2005.

This document defines the terminology for swingarm woodworking circular saws and their main components, specifies geometric accuracy inspection and corresponding tolerances, and describes... The corresponding experimental methods were developed. This document applies to the precision inspection of general-purpose, ordinary-precision rocker arm woodworking circular saws. This document is not applicable to operational tests of rocker arm woodworking circular saws (such as inspections for vibration, abnormal noise, and component creep), nor is it suitable for... Used for testing the characteristics of machine tools (such as speed, feed rate, etc.).

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 17421.1-2023 General Rules for Machine Tool Inspection - Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 A circular saw consists of a column, rocker arm, and tiltable saw shaft, and can perform cross-cutting, longitudinal cutting, and angle sawing on workpieces. Note