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

GB 30459-2013

**Safety of woodworking machines-Hand fed surface planing
machines**

木工机床安全 平刨床

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Foreword

The standard Chapter 3, Appendix A ~ Appendix E are recommended, the rest are mandatory. This standard was drafted in accordance with GB/T 1.1-2009 given rules. The standard proposed by China Machinery Industry Federation. This standard by the National Woodworking Machine and Tool Standardization Technical Committee (SAC/TC84) centralized. This standard drafting unit. Woodworking Machine Tool Research Institute, Fuzhou, Shunde Malaysia Woodworking Machinery Co., Ltd. Shaowu Zhenda machine Mechanical Manufacturing Co., Ltd., Shaoxing Sanjiang Electrical Co., Ltd., Qingdao Jinling Electric Co., Gaoyao City Jinhui Machinery Co., Ltd. Drafters of this standard. Zheng Li, Zheng Zong Jian, Ma Bingqiang, Yang Hua, Ru Jin Mu, Wang Dexing, Zhong Qingliang. Woodworking planer machine safety -

1 Scope

GB 30459-2013 is the Chinese national standard on safety of woodworking machines-hand fed surface planing machines, 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 31 December 2013 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 January 2015. 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 standard specifies the manual feed jointer planer (hereinafter referred to as the machine) on removal of dangerous and risk-limiting requirements and/or measures. This standard applies to wood planing machine, particleboard, fiberboard, plywood and other materials. This standard does not apply to hand-held and desktop machine tools (according to the provisions of GB 13960.4).

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document. Determination of sound power levels of noise sources reflecting plane free field engineering method

GB/T 3767-1996 Acoustics sound pressure

GB/T 3768-1996 Determination of sound pressure of sound power levels of noise sources using an enveloping surface reflectance measuring surface Simple Method

GB 4208-2008 shell protection (IP code)

GB/T 5013.1-2008 rated voltage of 450/750V and below rubber insulated cables - Part 1. General requirements

GB/T 5023.1-2008 rated voltage of 450/750V and below PVC insulated cables - Part 1. General requirements

GB 5226.1-2008 Safety of machinery - Electrical machinery and electrical equipment - Part 1. General requirements Determination of sound power levels of noise sources in reverberant fields - small, movable sources engineering method

GB/T 6881.2-2002 sound pressure Part 1. Comparison method hard walled test rooms Determination of sound power levels of noise sources in reverberant fields - small, movable sources engineering method

GB/T 6881.3-2002 sound pressure Part 2. special reverberation test rooms Determination of sound power levels of noise sources anechoic and semi-anechoic chamber Precision method

GB/T 6882-2008 Acoustics sound pressure

GB/T 10961-2010 Woodworking machines - Symbols

GB 12557-2010 Safety of woodworking machines General

GB/T 13569-2008 Woodworking machines planer Nomenclature and

GB 13960.4-2009 Safety shift can be the second part of electric tools. planer and thickness planer special requirements

3 Terms and Definitions

GB 5226.1, GB 12557 and GB/T 13569-2008 define the following terms and definitions apply to this document.

3.1 General terms and definitions

3.1.1 Jointer planer handfed surface planing machine The machine is designed to be used horizontally rotating cutter planing the wood surface or similar material, which is mounted on the tool for securing and supporting the work Between members of the two tables, the lower surface of the workpiece to be shaved.

3.1.2 Manual feed handfeed [GB 12557-2010, the definition 3.3].

3.1.3 Detachable motorized feed device demountable power feed unit [GB 12557-2010, the definition 3.4].

3.1.4 Kickback kickback [GB 12557-2010, the definition 3.12].

3.1.5 Starting time run-up time [GB 12557-2010, the definition 3.14].

3.1.6 Coasting time run-down time [GB 12557-2010, the definition 3.15].

3.1.7 Operator position operator position The tool is fed to the standing position of the workpiece.

3.1.8 Guarantee confirmation [GB 12557-2010, the definition 3.19].

3.1.9 Mechanical actuator mechanism machine actuator [GB 5226.1-2008, the definition 3.34].

3.1.10 Movable machine displacement machine The machine is placed on the ground, the use of stationary, it is equipped with a mobile device to make the machine between place, the device is usually wheel.

3.1.11 Safe programmable logic controller safetyprogrammablelogiccontroler; PLC
According to GB/T 16855.1-2008 requirements design for safe programmable logic controller.

3.1.12 Safety-related electrical control system safetyrelatedelectricalcontrolsystem; SRECS
The electrical part of the control system, which increases the risk of failure. The main parts of the machine

3.2 Terminology The term machine tool parts see GB/T 13569-2008 in Table 1.

4 Dangerous List

Dangerous List (see Table 1) relates to all dangerous this machine.

--- For important risk, safety requirements and/or measures adopted by the law or by indicating the appropriate class B standard;

--- For hazardous unimportant, such as general, subordinate or secondary danger by indicating the appropriate Class A standards, especially GB/T 15706. These risks are by GB/T 15706-2012 Annex B proposed. Table

1 Danger List No. dangerous provisions complying with this standard 1.1 1.2 1.3 1.4 1.5

1.6 Mechanical hazards.

--- Consists of the following elements of the workpiece or machine parts caused by. shape; relative position; Quality and stability (under the influence of gravity may be a potential movement of parts can); Mechanical strength.

--- Accumulation of potential energy caused by the following reasons. An elastic member (spring); Under the pressure of liquid or gas; Risk of crushing; Cutting or severing hazard; Winding danger; The risk of introduction or involvement; Shock hazard; High pressure fluid ejection hazard 5.3.3,5.3.5,5.3.6 5.2.2,5.3.5,5.3.6 5.3.1,5.3.5 5.3.5,5.3.6,5.3.7 5.3.6 5.4.6,5.4.7 5.3.7 5.3.3,5.3.7 5.3.7 5.3.7 5.3.5 5.4.6,

5 Safety requirements and/or measures

5.1 General Requirements Safety of machine tools shall comply with the provisions of this standard should be consistent with GB 12557, the provisions of GB/T 15706 of.

5.2.1 Safety and reliability of control systems

5.2.1.1 General requirements Of this standard, the safety control system from the initial device, such as a position sensor or actuator to the final mechanical actuating Structure or components (such as motors) input terminal, such as a motor. The following safety control components shall comply with GB/T 16855.1-2008 10 tables Class requirements.