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

GB 30460-2013

**Safety of woodworking machines-One side thickness planing
machines**

木工机床安全 单面压刨床

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Foreword

The standard Chapter 3, Appendix A ~ Appendix D is 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, Putian, Fujian Tie Machinery Co., Ltd. Jinhua strong woodworking machines Limited Secretary of Jiangsu tide Technology Co., Ltd., the Asian workers (Weihai) Limited. The main drafters of this standard. Xiao Xiaohui, Zhang Shengxing, Chen Yun root, Yang Gaohuai, Song Zhimin. Safety of woodworking machines sided pressure planer

1 Scope

GB 30460-2013 is the Chinese national standard on safety of woodworking machines-one side thickness 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 equipped with a mechanical feed, planer body position fixed loading and unloading of the workpiece fixed and mobile sided woodworking planing Hazard and risk-limiting requirements set out in Chapter 4 and/or measures beds (hereinafter referred to as the machine) on removal. This standard applies to planing wood, particleboard, fiberboard, plywood and other materials. This standard does not apply in the following machine.

- a) a desktop machine (according to GB 13960.1-2008, GB 13960.4-2009);
- b) handheld planer (according to GB 3883.1-2008, GB 3883.10-2007);
- c) planing depth planer body can be preset sided pressure planer.

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 The first part of the

GB 3883.1-2008 Safety hand-held power tools. General requirements The second part of the

GB 3883.10-2007 Safety hand-held power tools. Particular requirements for planers

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 GB /Determination of sound power levels of noise sources in reverberant fields - small, movable sources Engineering Act T 6881.2-2002 sound pressure Part 1. Comparison method hard walled test rooms GB /Determination of sound power levels of noise sources in reverberant fields - small, movable sources Engineering Act 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 13960.1-2008 Safety of transportable electric tools - Part 1. General requirements

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/T 15377-2008, GB 18955-2003, GB 5226.1, GB 12557 and GB/T 16855.1-2008 defined and The following terms and definitions apply to this document.

3.1 General terms and definitions

3.1.1 Sided pressure planer woodworking onesidethicknessplaningmachine [GB/T 15377-2008, the definition 3.1.1].

3.1.2 Table table Planer for supporting the workpiece can be mounted roller, belt or other fixed or mobile mechanical member.

3.1.3 Planer cutterblock body [GB/T 15377-2008, the definition 5.1.3].

3.1.4 Tool tool Composite tool body including planer, planer, and fasteners, see GB 18955-2003 3.5.

3.1.5 Mechanical feed integratedfeed [GB 12557-2010, the definition 3.5].

3.1.6 Sided woodworking planer feeding loadingofaonesidethicknessingmachine The workpiece is placed on the machine by a manual feed roller composed of feed device.

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

3.1.8 Non-return device anti-kickbackdevice [GB 12557-2010, the definition 3.13].

3.1.9 Coasting time run-downtime [GB 12557-2010, the definition 3.15].

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

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

3.1.12 Safe programmable logic controller safety programmable logic controller; PLC
According to GB/T 16855.1-2008 requirements design for safe programmable logic controllers.

3.1.13 Safety-related electrical control system safety-related electrical control system; 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 main components Figure 1 to Figure 2. Explanation.
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

1.7 Mechanical hazards. as indicated by the following elements of the workpiece or machine parts caused by. shape relative position Quality and stability (potential energy of each element) Quality and speed (kinetic energy of each element) Insufficient mechanical strength Potential energy caused by the accumulation of the following reasons. Liquids or gases under pressure Risk of crushing Cut dangerous Cutting or severing hazard Dangerous wound The risk of introduction or involvement Shock hazard The risk of high-pressure gas injection 5.3.1, 5.3.2, 5.3.3 5.3.3, 5.3.5 5.3.1 5.3.7 5.3.2, 5.3.3, 5.3.7, Annex A 5.4.5, 5.4.6, 5.4.7 5.3.7 5.3.7 5.3.7, 6.3 5.3.3 5.3.7 5.3.7

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 includes a device or from the initial position sensor or actuator to the final mechanical actuating Structure or