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

GB/T 30404-2013

**Tannery machines -- Movable platen machinery -- Safety
requirements**

皮革机械 板面移动式机械 安全要求

(English Translation)

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Table of Contents

Preface	
Introduction	
1 Scope	
2 Normative references	
3 Definitions	
4 Safety requirements and/or measures	
4.1 General	
4.2 Board mobile machinery - General requirements	
4.3 All hazardous area safety requirements	
Security requirements 4.4 workspace	
Security 4.5 into the zone of Claim	
Verify 5 Safety requirements and/or measures	
6 Use the information	
6.1 User's Guide	
6.2 Mark	
Typical Structure Appendix A (informative) machine	
Typical described in Appendix B (informative) machine is defined in the legend of the machine	
Annex C (informative) preventing noise hazard (all machines listed in Chapter 1)	
Annex D (informative) a list of 16 major hazard	
Appendix E (normative) noxious liquid, gas, mist, smoke and dust cleared	
Annex F (normative) containing a interlocking guard interlocking system (without guard locking)	
References	

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

The standard reference method using redrafted European Standard EN1035:1998 "Mechanical leather board mobile machinery safety requirements" Program System, and EN1035:1998 is equivalent to the degree of non-uniformity. This standard EN1035:1998 main difference is as follows.

--- Adds triggering device control system-related components of the performance level

requirements (4.2.1.2);

--- Increasing the programmable electronic system (PES) safety requirements (4.2.3.4);

--- Increase the use of electro-sensitive protective devices - Safety requirements [4.4.1.1c)].

The standard proposed by China National Light Industry Council.

This standard by the National Light Industry Machinery Standardization Technical Committee leather machinery Technical Committee (SAC/TC101/SC1) centralized.

This standard was drafted. Sirui Nantong Machine Manufacturing Co., Ltd. Xinji Julong Leather Machinery Co., Ltd., Jiaying University, Yangzhou Yang Bao machine Armed Ltd., China Leather and Footwear Industry Research Institute, Jiangsu Port Allen Leather Machinery Co., Ltd. Dongguan City Hang Bo Electrical Technology Co., Leather Technology Industrial Co., Ltd., Hebei Dongming Industrial Group Co., Ltd. Shandong Tak Xinpi Industry Co., Limited Zhejiang Zhonghui Fur the company, Shenzhen Technology Co., Ltd. Yi Tu's fine.

Introduction

According to the provisions of GB/T 15706-2012, the present standard belongs to the C standard.

Machinery and dangerous covered, hazardous situations and hazardous events range covered by this standard are given in the scope of this standard.

The Class C requirements when the requirements of the standard and Class A or Class B standards specified in the standard is not the same, according to the requirements of Class C standard design and production machines give priority to this type C standard requirements.

Leather machinery board mobile machinery - Safety requirements

1 Scope

This standard specifies the board mobile machinery use by the intended use, the next foreseeable misuse and component and system fault conditions, the There are significant risks associated with the machinery-related, dangerous state or dangerous events.

This standard also specifies the board moving mechanical terms and definitions, and machine life GB/T 15706-2012 5.4 are listed in Safety requirements for the various stages of the life cycle and/or protective measures, safety requirements validation and use of information.

This standard applies to the following for use in the processing of animal leather level during feeding and discharging opening and closing motion having vertical or alternatively

Movement board mobile machinery (see Appendix typical structure of A, described in Appendix B).

- 1) vacuum dryer vertical movement (see Figure A.1);
- 2) vacuum dryer horizontal and vertical movement (see Figure A.2);
- 3) vacuum stretching machine (see Figure A.3);
- 4) plate vertical motion smoothing embossing machine (see Figure A.4);
- 5) plate of horizontal and vertical movement of the screed embossing machine (see Figure A.5).

This standard does not apply to the promulgation of standards before production machines.

This standard provides design stage noise reduction clauses (see 4.3.4 and Appendix C), noise testing procedures are not available. manufacturer the obligation to provide the market value according to the machine's noise emission noise testing procedures.

This standard lists all significant risk (see Appendix D).

Dust, smoke and steam discharge in Appendix E.

Interlock system in Appendix F.

This standard gives general measures to reduce the risk of normative appendix. The manufacturer shall design and direct method can be used to verify Successful in reducing these risks.

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.

GB/T 3766-2001 Hydraulic System General technical conditions GB 4208-2008 shell protection (IP code) GB 5226.1-2008 Safety of machinery - Electrical machinery and electrical equipment - Part 1. General requirements GB/T 7932-2003 General technical conditions of pneumatic systems GB/T 8196-2003 mechanical safety devices fixed and movable guards General requirements for the design and manufacture GB/T 14367-2006 Determination of acoustic noise source sound power levels based on the standard usage guidelines GB/T 15706-2012 Safety of machinery - General principles for design risk assessment and risk reduced GB 16754-2008 Safety of machinery - Emergency stop design principles GB/T 16855.1-2008 Safety of machinery - Safety-related control system components - Part 1. General principles for design GB/T 17454.2-2008 Safety of machinery - Part 2 sensitive protective devices. pressure sensitive edges and pressure sensitive bars design and testing General GB/T 18153-2000 Safety of machinery - accessible surface

temperature Ergonomics data to establish temperature limit values for hot
surfaces Device design and selection principles interlock GB/T 18831-2010 mechanical belt
guards