

ICS 37.100.10; 85.100
CCS J 87



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

GB/T 28387.1-2012

**Safety requirements for the design and construction of printing
and paper converting machines -- Part 1: Common
requirements**

印刷机械和纸加工机械的设计及结构安全规则 第1部分：一般要求
(English Translation)

Issued on: May 11, 2012

Implemented on: October 1, 2012

Issued by: Standardization Administration of China

Table of Contents

Introduction

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 5 Major Hazard directory

5 Safety requirements and/or protective measures

6 Safety requirements and/or protective measures of inspection

7 Information

Appendix A (informative) printing machinery and finishing machines region free (related to 5.2.4)

Appendix B (normative) audible warning devices

Related risk Appendix C (informative) channel ladder inclination of

Annex D (informative) Instructions for the preparation of Example

Appendix E (normative) consistency correspondence between this part of the normative international documents referenced with our file

Appendix F (Normative Appendix) EN292-2:1991 contents Appendix A 1.7.4f)

References

Foreword

GB/T 28387 "printing machinery and paper processing machinery design and structural safety rules" is divided into the following sections.

--- Part 1. General requirements;

--- Part 2. printing presses, polishing machine and pre-press machinery;

--- Part 3. Cutter;

--- Part 4. bookbinding, paper converting and finishing machines;

--- Part 5. production of corrugated board and corrugated paperboard machinery and processing equipment.

This section GB/T Part of 128,387.

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

This part of the technical content and BSEN1010-1:2004 "Safety of machinery printing machinery and paper processing machinery design and structural safety regulations Part 1. General requirements "are basically the same.

Consistency correspondence between this part of the normative international documents referenced with our document Appendix E.

This part made the following editorial changes.

--- To make this a standard part of every name has a consistency, the standard name was changed to "printing machinery and paper processing machinery design and structural safety rules - Part 1. General requirements ";

--- Removed BSEN1010-1:2004 Annex ZA of information between the "European standards and the EU Directive 98/37/EC essential requirements Link "Contact" and informative annex ZB "European standards and the EU Directive 94/9/EC between the basic requirements;

--- Increase the informative Appendix E "in this section of the international documents and normative references have the consistency of a file of correspondence." this part is proposed by China Machinery Industry Federation.

This part of the National Printing Machinery Standardization Technical Committee (SAC/TC192) centralized.

This section is responsible for drafting units. North Printing Machinery Co., Ltd., Zhejiang Huayue Packing Machinery Co., Ltd., Zhejiang prestige presses Mechanical Co., Ltd. Weifang Huaguang Precision Equipment Co., Ltd. Ruian City Quality and Technical Supervision and Inspection Institute, Beijing Institute of Printing Machinery.

Participated in the drafting of this section. Qingdao Rip Electric Co., Ltd., Ningbo Xinda Printing Machinery Co., Ltd., Beijing North Fuji India Brush Machinery Co., Ltd., Shanghai Shen Wei Da Machinery Co., Ltd., Guangdong Hongfu Printing Machinery Industry Co., Ltd., Zhejiang Machinery Co., Ltd. MAG.

Introduction

This section provides a mechanical risk factors arising from dangerous conditions and scope of the event.

Designed and manufactured according to the provisions of Class C standard machine for the following situations. when the class C standard with type A or B standards produced Inconsistent, the relevant provisions of Class C preferred standard.

Printing machinery and paper processing machines Design and structural safety rules Part 1. General requirements

1 Scope

1.1

GB/T 28387 This part provides for various security requirements printing, paper processing machinery and related equipment in general, and should be used with GB/T 28387-2012 in various other parts. GB/T 28387.2-2012 ~ GB/T 28387.5-2012 special all common major risk with printing machinery and paper processing machinery (see Chapter 4).

Note: this mechanical part not covered by this section may be used when dealing with the relevant provisions of the corresponding danger.

1.2

section applies to.

--- Printing paper or similar material printing machinery, including screen printing machine; printing process preparation machinery and printing machinery Auxiliary equipment is also considered printing machinery. This section also applies to paper, prints, plates and ink (before and after printing) processing machine Mechanical, but also for plate cleaning, quality inspection and other mechanical (auxiliary printing machinery).

--- Paper processing machinery, namely paper, cardboard and similar materials handling, processing or manufactures machinery.

NOTE: Similar materials. such as cardboard, corrugated board, plastic film, foil, sheet metal and photographic paper.

1.3

does not apply to.

--- Paper surface areas of processing web and sheetfed cutter cutting device (sheetfed winding device with cutting equipment) (see EN1034-1:2000, EN1034-3:1999, prEN1034-5:2001);

Office-type collating machine --- friction paper feeding means;

--- Message processor;

--- Filler packer (such as forming machines, packing machines and balers);

--- Textile printer.

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 3836.1-2010 Explosive atmospheres - Part 1. General requirements for equipment (IEC 60079-0:2007, MOD) GB 3836.2-2010 explosive atmospheres - Part 2. the flameproof enclosure "d" protection equipment (IEC 60079-1:2007, MOD) GB 3836.3-2010 explosive atmospheres - Part 3. the increased safety "e" protection equipment (IEC 60079-7:2006, IDT) GB 3836.4-2010 Explosive atmospheres - Part 4. the intrinsically safe "i" protection equipment (IEC 60079-11:2006, MOD) GB 3836.5-2004 Electrical equipment for explosive gas atmospheres - Part 5. pressurized enclosure type "p" (IEC 60079-2:2001, MOD) GB 3836.6-2004 Electrical equipment for explosive gas atmospheres Part 6. Oil - immersion "o" (IEC 60079-6:1995, IDT) GB 3836.7-2004 Electrical equipment for explosive gas atmospheres - Part 7. Powder filling "q" (IEC 60079-5:1997, IDT) GB 3836.15-2000 Electrical apparatus for explosive gas atmospheres - Part 15. Electrical installations in hazardous locations (except coal mines)