

ICS 37.100.10; 85.100
CCS J 87



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

GB/T 28387.5-2012

**Safety requirements of the design and construction of printing and paper
converting machines -- Part 5: Machines for the production of corrugated board
and machines for the conversion of flat and corrugated board**

印刷机械和纸加工机械的设计及结构安全规则 第5部分：瓦楞纸板生产机械以及
纸板和瓦楞纸板加工设备

(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 Major hazard Contents

5 Safety requirements and/or protective measures

6 Safety requirements and/or protective measures of inspection

7 Information

Appendix A (informative) consistency correspondence between this part of international documents and normative references in our country 43,

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

This is Part 5 GB/T 28387 in.

Rules in this section in accordance with GB/T 1.1-2009 given draft.

The technical content portion DINEN1010-5:2005 "Safety of machinery printing machinery and paper processing machinery design and structure 5 Consistent production machinery and corrugated cardboard and corrugated board processing equipment safety rules ". section.

Consistency correspondence between this part of international documents and normative references of our files in Appendix A.

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 5. corrugated board production machinery as well as cardboard and corrugated board processing equipment";

--- Removed DINEN1010-5:2005 The informative annex ZA "European standards and the EU Directive 98/37/EC of the basic provisions contact".

--- Increase the informative Appendix A "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 unit. Beijing Institute of Printing Machinery.

Participated in the drafting of this section. Qingdao Micron Machinery Co., Ltd., Taizhou north of Human Sheng Machinery Co., Ltd.

Introduction

This section provides additional safety requirements and GB/T 28387.1-2012 not mentioned in the regulations.

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 machinery design and construction Part 5 safety rules. corrugated board production Machinery and paperboard and corrugated board processing equipment

1 Scope

This section GB/T 28387 specifies the safety requirements for the production of corrugated board and corrugated paperboard machinery and processing equipment, the Department Points should be used in conjunction with GB/T 28387.1-2012, to jointly determine in accordance with the manufacturer intended conditions of use corrugated board production machine all major hazards (see Chapter 4) mechanical and paperboard and corrugated board processing equipment when this part of the special requirements take precedence the GB/T 28387.1-2012 the corresponding requirements.

This part of the hazards caused by the noise of the machine are not covered. These risks include the basic GB/T 28387.1-2012 in the present Section provides noise reduction requirements for corrugated board production machinery, processing equipment peaceful pressure die-cutting machine.

This section applies to the production of corrugated board and corrugated paperboard machinery and processing equipment.

--- Corrugated board production machinery;

--- Nien me;

--- Printing slotting machine, rotary die cutting machine in combination with machines (online);

--- Manual paper feed pressure die-cutting machine indentation;

--- Automatic paper feed pressure die-cutting machine indentation;

--- Tube winding machine.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated edition applies to this article Member. For undated references, the latest edition (including any amendments) applies to this document.

GB 4208-2008 enclosure protection (IP code) (IEC 60529:2001, IDT) GB 16754-2008 Safety of machinery - Emergency stop design principles (ISO 13850:2006, IDT) GB 23821-2009 machinery Safety distances to prevent danger zones being reached on the lower limbs (ISO 13857:2008, IDT) GB/T 15706.1-2007 Safety of machinery - Basic concepts, general principles for design - Part 1. Basic terminology, methodology (ISO 12100-1:2003, IDT) GB/T 15706.2-2007 Safety of machinery - Basic concepts, general principles for design - Part 2. Technical principles (ISO 12100-2.

2003, IDT)

GB/T 28386-2012 noise measurement method for printing, paper processing, paper making machinery and auxiliary equipment of accuracy class 2 and 3 GB/T 28387.1-2012 print design and structural safety rules machinery and paper converting machines - Part 1. General requirements EN619:2003 Safety and EMC (electromagnetic compatibility) Continuous handling equipment and systems unit load handling equipment to machinery Seek
(Continuoshandlingequipmentandsystems-SafetyandEMCrequirementsforequipmentforme-
chanicalhandlingofunitloads) EN954-1:1996 Safety of machinery-control system
components - Part 1. General principles for design (Safetyofmachinery-Safety
relatedpartsofcontrolsystems-Part 1. Generalprinciplesofdesign) EN983:1996 Safety of

machinery - safety requirements for fluid systems and components pneumatic device
(Safetyofmachinery-