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

GB/T 17780.7-2012

Replacing GB/T 17780-1999

**Textile machinery -- Safety requirements -- Part 7: Dyeing and
finishing machinery**

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Foreword

GB/T 17780 "Safety requirements for textile machinery" is divided into seven parts.

- Part 1. General requirements;
- Part 2. Spinning preparatory and spinning machinery;
- Part 3. Nonwoven machinery;
- Part 4. Yarn processing machinery and ropes;
- Part 5. weaving and knitting preparatory machinery;
- Part 6. Weaving machinery;
- Part 7. Dyeing and finishing machinery.

This section GB/T 17780 Part 7.

This section drafted in accordance with GB/T 1.1-2009, rules GB/T 20000.2-2009 given.

This Part replaces GB/T "Textile machinery - Safety requirements" in part (Chapter 12) 17780-1999, not in place of content

"General requirements" section and the following five types of equipment related to the safety requirements. Spinning preparatory and spinning machinery, non-woven fabric machinery, yarn and rope

Soga machinery, weaving and knitting preparatory machinery, weaving machinery. These elements will be separately incorporated GB/T 17780 of 1 to 6 parts.

This portion of the GB/T 17780-1999 "Textile machinery - Safety requirements" in Chapter 12 of the main changes are as follows.

- As GB/T 17780 Part 7, an increase of 1 to 4,6,7 chapter;
- Increasing the weft (5.5.8) and a finishing process slurry preparation machinery (5.6.12) security requirements.

The partial modification of the use of ISO 11111-7.2005 "Textile machinery - Safety requirements - Part 7. Dyeing and finishing machinery."

This section according to ISO 11111-7:2005 redrafted. This part of ISO 11111-7:2005 is a technical difference between the reference

Relevant international and foreign standards to the corresponding national standards.

Normative references on the part of the technical differences have been adjusted to suit the application of specific adjustments are as follows.

- Equivalent adoption of international standards of GB 5959.1 instead of IEC 60519-1:2003 (see 5.5.7);
- With equivalent international standard IEC 60519-9:2005 instead of the GB 5959.9-2008 IEC 60519-9:1987 (see 5.5.7);
- Equivalent to international standards with the GB/T 7111.1 instead of ISO 9902-1 (see Chapters 6 and 7);
- Equivalent to international standards with the GB/T 7111.7 instead of ISO 9902-7 (see Chapters 6 and 7);
- With a modified adoption of international standards of GB/T 17780.1-2012 instead of ISO 11111-1:2005 (see paragraph 1 to 7);
- Equivalent adoption of international standards GB/T 15706.1-2007 instead of ISO 12100-1:2003 (see Table 21);
- Equivalent adoption of international standards GB/T 16855.1-2008 instead of ISO 13849-1:1999 [see 5.3.5, 5.6.2c), 5.6.8b)];
- With a modified adoption of international standards of GB/T 18831 instead of ISO 14119 [see 5.6.8b)];
- With equivalent international standard ISO 13857:2008 is replaced by GB 23821-2009 ISO 13852:1996 [see 5.2.12c)].

For ease of use, this section made the following editorial changes.

- "This part of ISO 11111" to "GB/T 17780 in this section";
- Delete ISO 11111 foreword;
- Introduction to modify the ISO 11111 become part of the introduction.

This part is proposed by the China Textile Industry Association.

This part of the National Standardization Technical Committee Textile machinery and accessories (SAC/TC215) centralized.

This section is drafted. Shaoyang Textile Machinery Co., Ltd., China Textile Machinery

Association, the constant day Heavy Industries Company Limited

Secretary, Wuxi Textile Machinery Research Institute, Shenzhen City, measuring Detection Technology Co., Ltd., Branch Yuci Jingwei Textile Machinery Company Limited,

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Vocational and Technical College Industrial Park, Qingdao Hongda Textile Machinery Company Limited, a Shanghai Textile Machinery Co., Ltd., Shanghai Textile Machinery Co.,

SECRETARY seven textile branch, the Tianjin Hongda Textile Machinery Company Limited.

Introduction

International Standard ISO 11111-1 ~ 11111-7 by ISO /TC72 and CEN/TC214 jointly developed and based on "Vienna Association

Fixed "by, in order to facilitate the design and production of textile machinery apply the same safety standards.

GB/T 17780 is a complete supply to all those who care about the safety of textile machinery, textile machinery, such as designers, manufacturers, and system

Suppliers like to develop, but it is also the textile machinery users and security experts are concerned.

This section is in accordance with GB/T 15706.1-2007/ISO 12100-1.2003 Class C standard special provisions enacted.

GB/T 17780 relates to various parts of the frequent and important risk factor for the textile industry used textile machinery is present. Standard Content

It covers a range of machines and a variety of risk factors involved in the present.

When the provisions of the Class A or Class C standard content of B class is not the same standard shall prevail C class standards.

Risk factors for those machines or components in the GB/T 17780 not mentioned in the relevant sections of existence, the designer should be based on

GB/T 16856/ISO 14121 data about their risk assessments and proposed risk reduction methods.

GB/T 17780 in this part of the needs and GB/T 17780.1 used together. As far as possible in accordance with the requirements of this part of the GB/T 17780.1

Chapters 5 and 6 of Chapter processing. GB/T 17780.1 Chapter 5 contains a danger for the frequent occurrence of textile machinery to be taken

Safety/or measures, GB/T 17780.1 Chapter 6 describes the major risk textile machinery special parts (such as rollers) and parts and corresponding security

Requirements and/or measures, these security requirements and/or measures have been cited in this section.

Textile machinery - Safety requirements

Part 7. Dyeing & Finishing Machinery

1 Scope

GB/T 17780 provisions of this part of the risk of accidental non-dyeing and finishing machinery and corresponding safety requirements and/or measures.

This section applies to pre-treatment, dyeing, printing, fixing, moistening, drying, post-processing, all machinery, equipment, packaging/logo use

And related devices.

This part of GB/T 17880.1 combination.

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 5959.1 electric safety devices - Part 1. General requirements (GB 5959.1-2005, IEC 60519-1.2003, IDT)

GB 5959.9-2008 Safety of electric devices - Part 9. Particular requirements (IEC 60519-9 high-frequency dielectric heating apparatus.

2005, IDT)

GB/T 7111.1 Textile machinery - Noise test code - Part 1. General requirements (GB/T 7111.1-2002,

eqv ISO 9902-1.2001)

GB/T 7111.7 Textile machinery - Noise test code - Part 7. Dyeing and finishing machinery (GB/T 7111.7-2002,

eqv ISO 9902-7.2001)

GB/T 15706.1-2007 Safety of machinery - Basic concepts, general principles for design - Part 1. Basic terminology, methodology