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**TEXTILE INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

FZ/T 98003-2017

Replacing FZ/T 98003-2009

Electronic yarn clearing installation

电子清纱器 清晰版

(English Translation)

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Foreword

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

This standard is the FZ/T 98003-2009 "electronic yarn clearer" revision, compared with the FZ/T 98003-2009, in addition to editorial changes in addition, the main technical contents are as follows.

- The scope and terminology removed the "digital yarn clearer";
- Modify the reference file (see Chapter 2);
- Added the terminology "dynamic function" (3.2);
- Added the terminology "spectrum" (3.3);
- Added the terminology "chain yarn faults" (3.4);
- To re-define the product classification (4);
- Removed the original standard "yarn clearer classification by handling" (FZ/T 98003-2009 in 4.3);
- Chapter 5 technical requirements for rearrangement (5);
- Removed the original standard environmental conditions (FZ/T 98003-2009 in 5.1);
- Added quality requirements (5.1) and test methods (6.2) such as "appearance, marking, color, wiring, operation and maintenance";
- Electrical safety added "power adaptability" requirements (5.2.4) and test methods (6.3.4);
- Added "protection" (5.3) and test methods (6.4);
- Added "functional requirements" (5.4) and test methods (6.5);
- Added requirements for "spectrogram" (5.5.4) and spectrogram test method (6.6.4);
- Added requirements (5.5.5) and chain yarn faults test method (see 6.6.8) for "Chain yarn defect removal efficiency > 80%";
- To "cut off the distance between the yarn defect and the actual cutting point $\leq 50\text{cm}$ " to " $\leq 40\text{cm}$ " (5.5.6);

- Electromagnetic compatibility requirements were modified (5.6);
- Increased "surge (impact) immunity" (5.6.4) and test methods (6.7.4);
- Modify the temperature test conditions (6.8.1);
- Modify the inspection rules, an increase of stereotypes test (7.1);
- Increase test items and test methods form (7.1);
- Increased stereotypes test rules (7.3), revised the type test rules (7.4);
- Increase the storage period (8.4);
- Modify Appendix A, an increase of test performance indicators (A.2.1).

This standard is proposed by China Textile Industry Association.

This standard by the National Textile Machinery and Accessories Standardization Technical Committee, the National Industrial Machinery Electrical System Standardization Technical Committee Textile Machinery Electrical System Technical Committee (SAC/TC231/SC1) professional focal point.

This standard was drafted unit. Changling, Shaanxi Textile Electrical and Mechanical Technology Co., Ltd., Uster Technology (Suzhou) Co., Ltd., Suzhou Changfeng Textile Machinery Electric Technology Co., Ltd., Qingdao Hongda Textile Machinery Co., Ltd., Jingwei Textile Machinery Co., Ltd. Yuci Branch, Shaanxi Huayan Aviation Instrument Co., Ltd., Shaanxi Wuhuan Group Co., Ltd., Changzhou Hongda Electric Co., Ltd., Jiangsu Shenglan Technology Co., Ltd., Beijing Yi can Cube Technology Co., Ltd.

1 Scope

This standard specifies the terms and definitions of electronic yarn clearers, product classification, technical requirements, test methods, inspection rules and signs, packaging, transportation Lose, storage and other content.

This standard applies to supporting the use of textile machinery and optoelectronic yarn clearer, capacitance electronic yarn clearer and photoelectric capacitance electronic Yarn (hereinafter referred to as yarn clearer).

2 Normative references

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

GB/T 191 Packaging - Pictorial signs GB/T 2423.1 Environmental testing for electric and electronic products Part 2. Test methods Test A. Low temperature GB/T 2423.2