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

GB/T 36939-2018

**Textile machinery -- Draw frame for cotton spinning --
Vocabulary and principles of construction**

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Foreword

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

This standard uses the redrafting method to modify the use of ISO 21485.2013 "textile machinery cotton spinning draw frame terminology, definition and structure

Theory.

This standard has structural adjustments compared to ISO 21485.2013, as follows.

--- According to the rules of GB/T 1.1-2009, the unnumbered "Scope" chapter in the text is compiled into Chapter 1, and ISO 21485 is cancelled.

The untitled title "terms and definitions" in.2013 changed the "basic terminology" of the original chapter 1 to chapter 2, and the subsequent chapters went to

After the arrangement.

There are technical differences between this standard and ISO 21485.2013. The terms involved in these differences have been passed on the outside margins.

The vertical single line (|) of the position is marked, and the main technical differences are as follows.

--- Change the expression of applicable international standards to the expression of the application of Chinese standards, such as the cancellation of the description of the use of language in the scope, increased

Statement of scope of application;

--- Added the term "4.4.5 cradle pressurizing device" (see Figure 3), the cradle pressurizing device is the drafting system to apply the specified to the top roller

Pressure, so that the roller pair can effectively hold the fiber, is one of the key components of the drafting system;

--- Added the term "4.13 automatic changer" (see Figure 2), the automatic changer is a

device that automatically pushes the full cylinder and propels the empty cylinder.

After the high speed and large package of the draw frame, it can reduce labor intensity and improve production efficiency;

--- Added the term "5.6 online detection device", the online detection device is through electronic signal acquisition, monitoring output sliver quality

The quantity indicator and the means for making statistical data are the necessary detection methods for controlling and improving the quality of the sliver;

--- Modified the English corresponding words of the three terms of autoleveling draw frame (2.2), roller bearing (4.4.2), and drafting (5.2).

For ease of use, this standard has the following editorial changes.

--- Added Chinese and English index content.

This standard was proposed by the China National Textile and Apparel Council.

This standard is under the jurisdiction of the National Textile Machinery and Accessories Standardization Technical Committee (SAC/TC215).

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1 Scope

This standard specifies the terms, definitions and structural principles of textile machinery cotton spinning draw frames.

Note. The type of cotton spinning draw frame is not limited to the type shown in this standard, but also includes other different types.

This standard applies to cotton, cotton type chemical fiber and medium and long fiber pure spinning, blending draw frame.

2 basic terms

2.1

Drawing frame drawframe

Feed the sliver through the combination of (5.1), drafting (5.2) and dust removal, so that the fibers are fully mixed and straightened parallel, reducing the hooks and increasing the sliver

Degree, and the device for forming the sliver through the output unit (2.3).

2.2

Autoleveling draw frame autolevelingdrawframe

Feed the sliver through the combination of (5.1), drafting (5.2) and dust removal, so that the fibers are fully mixed and straightened parallel, reducing the hooks and increasing the sliver

Degree, and by adding an autoleveling controller (5.3), measuring device (5.4), regulator (5.5) on the drafting (5.2), reducing the weight unevenness,

The device for forming the sliver is then completed in the output unit (2.3).

2.3

Output unit deliveryunit

The working mechanism for outputting the sliver is completed.

3 Left and right side definitions and dimensions of the machine

The dimensions of the left and right sides of the machine are shown in Figure 1.