

ICS 59.120.10
CCS W 97

FZ

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

FZ/T 96023-2021

**False-twist texturing machine
(English Translation)**

Issued on: January 1, 1970

Implemented on: January 1, 1970

**Issued by: Ministry of Industry and Information Technology of the
People's Republic of China**

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Classification and parameters
- 4.1 Classification

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules of Standardization Documents" drafted.

This document replaces FZ/T 96023-2012 "False Twist Texturing Machine". Compared with FZ/T 96023-2012, except for structural adjustment and editorial in addition to the changes, the main technical changes are as follows.

- a) Modified the classification and parameters (see 4, 3 of the 2012 edition);
- b) Modified the vibration value of false twister (see 5.2.3, 4.1.2 of the 2012 edition);
- c) Modified the temperature deviation of the hot box (see 5.3, 4.3 of the 2012 edition);
- d) Modified the roller vibration value (see 5.4, Table 2 of the 2012 edition);
- e) Added wire transfer system (see 5.5);
- f) The requirements and detection methods for the success rate of automatic doffing are added (see 5.7.1, 6.1.7);
- g) Increased the radial runout of the friction roller (see 5.7.2);
- h) Modified the noise of the whole machine when running empty (see 5.8, 4.7 of the 2012 edition);
- i) The main motor complies with the requirements of GB 18613-2020 motor energy efficiency limit value and energy efficiency grade, and the empty vehicle operation is modified Main motor power (see 5.9, 4.8 of the 2012 edition);
- j) Pneumatic system was added (see 5.10);
- k) Added requirements for safety components of electrical equipment (see 5.11.8);

- l) It is added that the machine should have a standard Ethernet interface (see 5.11.9);
- m) Added requirements for ladders, working platforms, aisles, etc. (see 5.12, 4.10 of the 2012 edition);
- n) Modified the empty running test (see 6.2, 5.16 of the 2012 edition);

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

1 Scope

This document specifies the classification and parameters, requirements, test methods, inspection rules and marking, packaging, transportation and storage of false twist texturing machines.

This document is applicable to the stack-type false twist used in the process of drafting and false twisting (texturing) of polyester, nylon pre-oriented yarn or other colored yarn.

Transformer.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 191 Graphical signs of packaging, storage and transportation GB 2894 Safety Signs and Guidelines for their Use GB/T 5226.1-2019 Mechanical and Electrical Safety Mechanical and Electrical Equipment Part 1: General Specifications GB/T 7111.1 Textile Machinery Noise Test Specification Part 1: General Requirements GB/T 7111.4 Textile Machinery Noise Test Specification Part 4: Yarn Processing, Rope Processing Machinery GB/T 7932-2017 General rules and safety requirements for pneumatic systems and their components GB/T 16855.1-2018 Safety-related parts of machinery safety control systems - Part 1: General rules for design GB/T 17626.2-2018 Electromagnetic Compatibility Test and Measurement Technology Electrostatic Discharge Immunity Test GB/T 17626.4-2018 Electromagnetic Compatibility Test and Measurement Technology Electrical Fast Transient Burst Immunity Test GB/T 17780.4 Textile Machinery Safety Requirements Part 4: Yarn and Rope Processing Machinery GB 17888 (all parts) Fixed installations of machinery for safe access to machinery GB 18613-2020 Energy Efficiency Limits and Energy Efficiency Levels of Electric Motors FZ/T 90001 Packaging of Textile Machinery Products FZ/T 90074 Coating of Textile Machinery Products FZ/T 90089.1 Textile Machinery Nameplate Part 1: Type, Size and Technical Requirements FZ/T 90089.2 Textile Machinery Nameplate Part 2: Contents FZ/T 96027 Friction disc type false twister

3 Terms and Definitions

There are no terms and definitions that need to be defined in this document.

4.1 Classification

According to the way of doffing, it is divided into. manual and automatic.