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

GB/T 38422-2019

**Textile machinery and accessories - Circular knitting machines
- Vocabulary**

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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 and adopt ISO 12912..2014 "vocabulary for circular knitting machines.

Compared with ISO 12912..2014, the main technical differences of this standard are as follows.

--- The formula in 2.3.6 has been rewritten.

The following editorial changes have been made to this standard.

--- The standard name was revised to "Glossary of Textile Machinery and Accessories Circular Knitting Machines";

--- Removed the note on the website of the ISO online browsing platform in Chapter 1 of the International Standard;

--- Change the international standard documents in the "References" to the corresponding Chinese standard documents;

--- Added Chinese pinyin index;

--- Increased English corresponding word index.

This standard is proposed by China Textile Industry Federation.

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

This standard was drafted. Quanzhou Bushuo Machinery Co., Ltd., Quanzhou Fine Magnesium Machinery Co., Ltd., Huian Jintiansuo Precision Machinery Co., Ltd.,

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1 Scope

This standard defines the terms and definitions of circular knitting machines used in the production of weft knitted fabrics in the textile industry.

This standard applies to circular knitting machines that produce weft knitted fabrics.

2.1 Circular knitting machines

2.1.1

Circular knitting machine

A machine for producing knitted fabrics using single-action needles. The knitting needles are installed in the needle grooves of a circular needle bed and moved. The yarn feeding direction and the fabric length direction

Vertical, same-row coils are formed sequentially one after the other.

[GB/T 6002.9-2008, definition 2.2.1.2]

Note. Circular knitting machines can be more precisely defined according to the following characteristics.

- type (such as. large, small);
- Structural features (e.g. single-sided knitted fabric, double-sided knitted fabric, double rib knitted fabric, double reverse knitted fabric);
- Knitting needle type (e.g. tongue or compound needle);
- Number of looping systems (e.g. 48 channels);
- Flowering mechanism (such as. Jacquard mechanism).

2.1.2

Small diameter circular knitting machine small-diameter circular knitting machine

Circular knitting machine with a barrel diameter of not more than 165mm.

2.1.3

Large-diameter circular knitting machine

Circular knitting machine with a barrel diameter of more than 165mm.

2.2 Structural characteristics of circular knitting machines (according to the number and type of cylinders)

2.2.1

Single-sided circular knitting machine RLcircularknittingmachine

Circular knitting machine for the production of single-sided knitted fabrics (RL).

[GB/T 6002.9-2008, definition 2.2.1.2.1]