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

GB/T 30420.2-2019

**Sewing machine terminology - Part 2: Embroidery machine
terminology**

缝纫机术语 第2部分：刺绣机术语

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Foreword

The plan of GB/T 30420 "Sewing Machine Terms" is divided into the following 4 parts.

--- Part 1. Basic terminology;

--- Part 2. Terminology for embroidery machines;

--- Part 3. Control system terminology;

--- Part 4. Terminology of parts. This part is the second part of GB/T 30420. This section is drafted in accordance with the rules given in GB/T 1.1-2009. This section is proposed by China Light Industry Federation. This section is under the jurisdiction of the National Technical Committee for Standardization of Sewing Machinery (SAC/TC152). The main drafters of this section. Beijing Dahao Technology Co., Ltd., Zhejiang Yuelong Sewing Equipment Co., Ltd., Zhejiang Xinsheng Sewing Equipment Co., Ltd., Zhejiang Lejia Mechanical and Electrical Co., Ltd., Zhejiang Shengming Mechanical and Electrical Manufacturing Co., Ltd., Shanggong Fuyi Intelligent Manufacturing (Tianjin) Co., Ltd., Hangzhou Jingwei Electronic Machinery Manufacturing Co., Ltd., Zhejiang Xingyue Sewing Equipment Co., Ltd., Zhuji Chuangjia Electronic Equipment Co., Ltd., Shanghai Bowmax Electronic Technology Co., Ltd., Zhejiang Shanggong Gem Sewing Technology Co., Ltd., Jiangxi Hefeng Electronic Machinery Co., Ltd., Shanggong Shenbei (Group) Company Limited. The main drafters of this section. Pan Lei, Fan Wangqing, Zhang Hanmiao, Wang Haijiang, Wang Ming, Chen Yanfang, Li Shuai, Cai Wei, Wang Hangbo, Chen Weidong, Liu Yanfei, Pan Linggang, Lei Guoping, and Zhou Yuzhu. Sewing machine terms. Part 2. Embroidery machine terms

1 Scope

China's national terminology standard for embroidery machines. It is Part 2 of GB/T 30420 and defines the terms and definitions of embroidery machinery, and it applies to the manufacture, research, teaching and trade of embroidery machines and to related fields. China builds most of the world's industrial embroidery machines, and the vocabulary of the trade grew up inside the factories of Zhejiang and Guangdong rather than out of any international standard, which is exactly why it needed fixing. The document defines around two hundred terms across six groups: the basic terms of embroidery itself, product names, mechanism and component terms, control system and electrical terms, design and operating terms, and special embroidery techniques. The basic terms group is where most of the difficulty lies, because a modern industrial embroidery machine performs several quite different operations that all get called embroidery in casual speech - lock stitch embroidery, chain stitch and towelling embroidery, embroidery applying cord, sequins, beads or tape, and special stitch types - and each of them uses the threads differently. In coiling or winding embroidery, for instance, the needle thread and a separate core thread do different jobs, and the standard defines each thread by the function it performs rather than by where it sits in the machine. That precision matters commercially: a machine specification, a service manual and a customs declaration all have to name the same capability the same way, and an embroidery machine's price depends almost entirely on which of these techniques it can perform. The document closes with an index, and cross-references the basic terminology of Part 1. Issued on 31 December 2019 and in force since 1 July 2020.

This section of GB/T 30420 defines the terms and definitions of embroidery machines. This section applies to the embroidery machine manufacturing, scientific research, teaching, trade and other related fields.

2.1 Basic terminology

2.1.1 Embroidery embroidered Manual feeding or automatic feeding according to the set pattern program. The machine moves to form a pattern-like seam.

Note. Divided into lock stitch embroidery, chain stitch (towel) embroidery, embroidery with decorative objects and special stitch embroidery. [

GB/T 30420.1-2013, definition 2.24]

2.1.2 Embroiderythread Sewing or decorative thread for embroidery.

2.1.3 Needlethread Noodles < Embroidery machine> The embroidery thread (2.1.2) passed through the needle hole of the machine.

2.1.3.1 Corethread In the winding embroidery (2.1.7.3.1), the decorative thread that forms the outline of the pattern (2.5.1.1) with the movement of the needle thread (2.1.3).

2.1.3.2 Coiling thread In winding embroidery (2.1.7.3.1), the embroidery thread (2.1.2) that

wraps the core thread (2.1.3.1) or the needle thread (2.1.3).

2.1.4 Bobbinthread Bottom line < Embroidery machine> The embroidery thread (2.1.2) from the rotary shuttle (swing shuttle).

2.1.5 Flatstitch The stitch loop of one group (one or several) of sutures is formed by interweaving with another group of sutures (one or several) after passing through the sewing material. [

GB/T 30420.1-2013, definition 2.11.2]

2.1.6 Chainstitch A stitch formed by self-connection of one or more needle threads. It is characterized in that a thread loop of a suture penetrates into the sewing material, and then The loops connect themselves.