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

GB/T 18003-2024

Replacing GB/T 18003-1999

**Wood-based panel machinery - Method for compiling
equipment model designations**

人造板机械 设备型号编制方法

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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 for standardization documents" Drafting. This document replaces GB/T 18003-1999 "Method for compiling models of wood-based panel machinery and equipment" and is consistent with GB/T 18003-1999. In addition to structural adjustments and editorial changes, the main technical changes are as follows:

- a) Added terms and definitions (see Chapter 3);
- b) The model indication method has been changed (see Chapter 4, 2.1 of the 1999 edition);
- c) Added 5 categories of equipment: slab pretreatment equipment, surface quality inspection equipment, glue and additive mixing equipment, coating processing equipment, and auxiliary equipment (see Table 1);
- d) The stacker-destacker category has been deleted (see Table 1 of the 1999 edition);
- e) Changed the names of some categories, changing the trimming machine category to the board cutting machine category, the hole repair machine category to the single board repair machine category, and the separator category Changed to gas-solid separation device category (see Table 1, Table 1 of the 1999 edition);
- f) Changes have been made to merge some categories, merging the container category and the concentration regulator category into the glue and additive preparation equipment category (see Table 4, 1994 edition). Table 2);
- g) Changed some categories to groups, adjusted the impregnation dryer category to the secondary processing equipment group, and changed the name to impregnation dryer group; The six categories of processing equipment, panel splitters, loaders and unloaders, lifting platforms, weighing scales, and sharpeners were adjusted to the auxiliary equipment category, and the group name was changed to Heat treatment equipment, humidifiers,

board separators, loaders, unloaders, lifting tables, metering devices, knife sharpeners; electromagnetic vibrators and magnetic The category of magnetic separation devices is adjusted to the group of other categories, and the group name is electromagnetic vibrator and magnetic separation device (see Table 4, Table 2 of the.1999 edition);

h) The group, series codes and main parameters of wood-based panel machinery and equipment have been changed (see 4.4, 4.5, 4.7,

2.3 of the.1999 edition);

i) Added characteristic codes for wood-based panel machinery (see 4.6). Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document was proposed by the State Forestry and Grassland Administration. This document is under the jurisdiction of the National Technical Committee for Standardization of Wood-Based Panel Machinery (SAC/TC66). This document was drafted by: Northeast Forestry University, Shanghai Wood-Based Panel Machinery Co., Ltd., Guangzhou Hongya CNC Machinery Co., Ltd., Nanjing Forestry University, Beijing Forestry University, Research Institute of Wood Industry, Chinese Academy of Forestry. The main drafters of this document are. Hu Wanming, Yang Chunmei, Yan Chenglin, Li Shaokun, Li Li, Wang Baojin, Xu Yang, Zhang Zhaohao, Dai Dali, Wang Jincong, Cao Youwei, Liu Fenghua, Yang Liangsheng, Xue Bo, Jiao Guochang, Liu Zixin, and Wang Xinxu. The previous versions of this document and the documents it replaces are as follows:

---First published in.1999 as GB/T 18003-1999;

1 Scope

China's national method for constructing the model designation of a piece of wood-based panel machinery - the code that identifies what a machine is, what it does and at what capacity. It describes the method for compiling the models of wood-based panel machinery and equipment, and it applies to all types of such machinery. Wood-based panel plants are assembled from a very wide range of machines: debarkers, chippers, flakers, refiners, dryers, screens, blenders, formers, prepresses, hot presses, cooling stars, sanders, saws, laminating lines and the conveying and dust extraction that ties them together, each in many sizes and configurations. A plant orders spares, plans maintenance and specifies replacements by model, and a designation that does not encode the essentials forces every transaction back to a drawing number that only the original supplier holds. The method sets a structured code: the class and group of machine, its type within the group, the principal characteristic parameter - which for a press is the platen size and the number of openings, for a dryer the evaporation capacity, for a sander the working width, and so on for each family - and the design revision or variant. Because the code is built from a defined character sequence rather than assigned arbitrarily, a designation can be read by someone who has never seen the machine, and two suppliers offering equivalent equipment produce

comparable designations. The terminology it rests on comes from GB/T 18263 for hot presses and from the classification vocabulary of the sector. Issued on 15 March 2024 and in force since 1 October 2024, it replaces GB/T 18003-1999.

This document describes the method for compiling models of wood-based panel machinery and equipment. This document is applicable to all types of wood-based panel machinery and equipment.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 18263 Terminology for mechanical hot presses for wood-based panels LY/T 1382 Classification terminology for wood-based panel machinery

3 Terms and definitions

The terms and definitions defined in GB/T 18263 and LY/T 1382 apply to this document.

4 Model indication method

4.1 Model composition and meaning The model composition and meaning of wood-based panel machinery and equipment are shown in Figure 1.

Note. "-" represents uppercase Chinese phonetic letters; "" represents Arabic numerals; when there is no second main parameter in the model, "/" is omitted. Figure