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

LY/T 1142-2025

Replacing LY/T 1142-2011

**Wood-based panel machinery Technical specifications of
impregnation line with vertical dryer
(English Translation)**

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Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and Definitions

Foreword

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

Drafting.

This document replaces LY/T 1142-2011 "Vertical Impregnation and Drying Production Line". Compared with LY/T 1142-2011, the main differences are in structural adjustments and rewriting.

Aside from the logical changes, the main technical changes are as follows.

- a) The file range has been changed (see Chapter 1, 2011 edition).
- b) Added terms and definitions (see Chapter 3);
- c) The main parameters have been changed, and the name of the main parameter table 1 has been changed to maximum impregnation width (see Chapter 5, 4.1 of the 2011 edition).
- d) The requirements and testing methods have been changed (see Chapter 6, Chapter 4 of the 2011 edition).
- e) Increased security requirements (see 6.3);
- f) The geometric accuracy inspection items and tolerances have been changed (see Table 2, 2011 version 4.5.1).
- g) The inspection items for working accuracy have been added (see 6.5);
- h) The inspection rules have been changed (see Chapter 7, Chapter 5 in the 2011 edition);
- i) The markings, packaging, and storage have been changed (see Chapter 8, Chapter 6 in the 2011 edition).

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Technical Committee on Standardization of Wood-based Panel Machinery (SAC/TC 66).

1 Scope

This document specifies the main parameters, requirements and inspection methods, inspection rules, marking, packaging and storage of vertical impregnation and drying production lines.

This document applies to vertical impregnation and drying production processes for continuous impregnation and drying of decorative impregnated paper, insulating paper, and fibrous fabrics.

Production line (hereinafter referred to as production line).

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated references are listed below.

Only the version corresponding to this date applies to this document; for undated references, the latest version (including all amendments) applies to this document.

GB/T 191 Pictorial Symbols for Packaging and Storage GB/T 1958 Product Geometric Specification (GPS) - Geometric Tolerance Inspection and Verification GB 2893 Safety Colors GB 2894 Safety signs and their usage guidelines GB/T 3766 General rules and safety requirements for hydraulic transmission systems and their components GB/T 3836.1 Explosive Atmospheres - Part 1: General Requirements for Equipment GB/T 3836.14 Explosive Atmospheres - Part 14: Classification of Locations - Explosive Gas Atmospheres GB/T 5226.1 Electrical Safety of Machinery - Electrical Equipment of Machinery - Part 1: General Technical Conditions GB/T 7932 General rules and safety requirements for pneumatic systems and their components GB/T 9239.1 Mechanical vibration constant-state (rigid) rotor balance quality requirements - Part 1: Inspection of specifications and balance tolerances GB/T 13306 Nameplates GB/T 13384 General Technical Requirements for Packaging of Mechanical and Electrical Products GB/T 17888.1 Mechanical safety - Fixed installations for access to machinery - Part 1: Selection of fixed installations and general requirements for access.

GB/T 17888.2 Mechanical safety - Fixed access devices for machinery - Part 2: Work platforms and access routes GB/T 17888.3 Mechanical safety - Fixed access devices for machinery - Part 3: Stairs, steps and guardrails GB/T 17888.4 Mechanical safety - Fixed access devices for machinery - Part 4: Fixed vertical ladders GB/T 18262 General Technical Requirements for Machinery Used in Wood-based Panels GB/T 18514 General Rules for Mechanical Safety of Wood-based Panels AQ 3009 Safety Specifications for Electrical Explosion Protection in Hazardous Locations JB/T 9953 Method for Measuring Sound

Pressure Level of Woodworking Machine Tools JB/T 10563 Technical Conditions for
General Purpose Centrifugal Fans LY/T 1143 Decorative Impregnated Film Paper LY/T
1454 General Rules for Inspection of Mechanical Precision of Wood-based Panels

3 Terms and Definitions

The terms and definitions defined in LY/T 1143 apply to this document.