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

LY/T 1104-1993

Replacing LY/T 2161-2013, LY/T 1104-2011

**Shavings dryer
(English Translation)**

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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 supersedes LY/T 1104-2011 "Rotor Dryer" and LY/T 2161-2013 "Tunnel Type Wood Shavings Drying System".

Compared with LY/T 1104-2011 and LY/T 2161-2013, the main technical changes are as follows, apart from structural adjustments and editorial modifications.

- a) The scope has been changed (see Chapter 1, Chapter 1 of LY/T 2161-2013 and LY/T 1104-2011).
- b) The simplified diagram has been modified (see Chapter 3, LY/T 2161-2013 and LY/T 1104-2011).
- c) Added terminology (see Chapter 4);
- d) The range of main parameters has been increased (see Chapter 5);
- e) The general requirements have been changed, and corresponding test methods have been added (see 6.1, LY/T 2161-2013 and LY/T 1104-2011).
- f) The technical requirements for major components have been changed, and corresponding inspection methods have been added (see 6.2, LY/T 2161-2013 and LY/T 1104-2011).
- 2011, 5.2);
- g) The safety requirements have been changed and corresponding inspection methods have been added (see 6.3, 5.5 of LY/T 2161-2013).
- h) The geometric precision has been changed (see 6.4, 5.3 of LY/T 1104-2011).
- i) The work accuracy inspection has been changed (see 6.5, 5.4 of LY/T 2161-2013 and LY/T 1104-2011).

j) The no-load test has been modified, and corresponding inspection methods have been added (see 6.6, 5.6 of LY/T 2161-2013 and LY/T 1104-2011).

k) The load test has been modified and the corresponding test method has been added (see 6.7, 5.7 of LY/T 2161-2013 and LY/T 1104-2011).

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, inspection rules, marking, packaging, and storage of wood shavings dryers.

This document applies to particle dryers used in particleboard production lines.

2 Normative references

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

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

GB/T 191 Pictorial Symbols for Packaging and Storage GB/T 985.1 Recommended bevels for gas welding, shielded metal arc welding, gas shielded welding and high energy beam welding GB/T 4208 Degrees of protection provided by enclosures (IP code) GB/T 4897 Particleboard GB/T 5226.1 Electrical Safety of Machinery - Electrical Equipment of Machinery - Part 1: General Technical Conditions GB/T 11337 Flatness Error Detection GB/T 13306 Nameplates GB/T 13384 General Technical Requirements for Packaging of Mechanical and Electrical Products GB/T 15830-2008 Non-destructive testing of ultrasonic testing methods for circumferential welded butt joints of steel pipes GB 16297 Integrated Emission Standard for Air Pollutants GB/T 17164 Terminology for Geometric Measuring Instruments - Product Terminology 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 GB/T 24343 Test Specification for Insulation Resistance of Electrical Equipment for Industrial Machinery GB/T 50185 Standard for Acceptance of Construction Quality of Thermal Insulation Engineering for Industrial Equipment and Pipelines GB 50235 Construction Specification for Industrial Metal Piping Engineering GB 50236 Construction Specification for Welding Engineering of On-site Equipment and Industrial Pipelines GB 50264 Code for Design of Thermal Insulation Engineering for Industrial Equipment and

Piping GB 50275 Construction and Acceptance Specifications for Installation Engineering
of Fans, Compressors and Pumps JB/T 1621 Technical Requirements for Industrial Boiler
Smoke Boxes and Steel Chimneys JB/T 4357 Centrifugal Exhaust Fan for Industrial Boilers
LY/T 1423 Cyclone Separator for Wood Industry LY/T 1454 General Rules for Inspection of
Mechanical Precision of Wood-based Panels LY/T 1659 Technical Specification for Dust
Control in Wood-based Panel Industry LY/T 3302 Technical Specification for Prevention and
Control of Wood Dust Explosion in Wood-based Panel Production NB/T 47013.3-2015
Non-destructive testing of pressure equipment - Part 3: Ultrasonic testing