

ICS 79.120.99

CCS B 97



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

GB/T 18002-2011

Replacing GB/T 18002-1999

**General acceptance rules for medium density fibreboard
production lines**

中密度纤维板生产线验收通则

Issued on: September 29, 2011

Implemented on: December 1, 2011

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine;
Standardization Administration of the PRC**

Table of Contents

- 1 Scope
- 2 Normative reference documents
- 3 Request
- 3.1 General requirements

Foreword

This standard replaces GB/T 18002-1999 "Medium Density Fiberboard Production Line Acceptance General". The main differences between this standard and GB/T 18002-1999 are as follows: - the scope of the increase in safety and health requirements, energy saving and environmental requirements and signs and so on.

--- reference to the file has been increased or decreased. - the original content of the original 3,4,5,6,7,8,

9 Chapter and Chapter 10 into the requirements, the relevant content was revised.

--- increase the safety and health, energy saving and environmental protection 2 requirements. - Revised part of the inspection method and acceptance rules. This standard is proposed by the State Forestry Administration. This standard by the National Wood-based Panel Machinery Standardization Technical Committee. This standard is responsible for drafting units. Northeast Forestry University. This standard participates in the drafting unit. State Forestry Administration Beijing Forestry Machinery Research Institute, Kono (Beijing) Wood Industry Co., Ltd. The main drafters of this standard. Hua Jun, Li Xiaoxu, Zhang Xizhong, Chen Guangwei, Liu Cheng. This standard replaced the previous version of the standard release.

--- GB/T 18002-1999. General rules for acceptance of medium density fiberboard production line

1 Scope

China's national rules for accepting a medium density fibreboard production line - the procedure by which a buyer establishes that a complete plant, and not just a list of machines, works. It specifies the general acceptance requirements for MDF production lines, covering the equipment foundations, the installation of the main and auxiliary equipment and of the electrical equipment, the safety and health requirements, the energy saving and environmental requirements, the no-load running test of individual machines, the running test of the line, the load test of the line, the inspection and acceptance rules

and the marking. It applies to dry-process MDF production lines. An MDF line is bought as a turnkey project: chipping, refining, resin blending, drying, forming, pressing, cooling, sanding and cutting, each stage from a different maker, all of it commissioned together. The buyer's exposure is that every machine can meet its own specification while the line does not - the press cycles faster than the former can feed it, the dryer cannot hold moisture within the window the press needs, the sander cannot keep up with the trim line - and once the plant is paid for there is no leverage left. So acceptance is staged. Foundations and installation are checked first, because a press out of level or a fibre line badly aligned cannot be corrected later. Then each machine is run empty. Then the whole line is run empty in sequence, which is where the interlocks, the transfer points and the control system are exercised. Only then is the line run under load, and only there do the numbers that were bought - output, board properties, consumption - become measurable. The 2011 edition added the safety and health chapter and the energy and environment chapter, consolidated the earlier chapters into a single requirements chapter and revised parts of the inspection method and acceptance rules. Issued on 29 September 2011 and in force since 1 December 2011, it replaces GB/T 18002-1999.

This standard specifies the general requirements for the acceptance of medium density fiberboard production lines, equipment base, main equipment installation, auxiliary equipment and electrical safety Equipment installation, safety, health requirements, energy saving, environmental requirements, stand-alone air running test, production line running test, the production line negative Test and other requirements, inspection and acceptance rules and signs. This standard applies to dry medium density fiberboard production line (hereinafter referred to as the production line).

2 Normative reference documents

The terms of the following documents are hereby incorporated by reference into this standard. Whichever is the date of the reference file, which is followed by all (Excluding corrigenda) or revisions do not apply to this standard, however, encourage the parties to reach an agreement under this standard Whether you can use the latest version of these files. For undated references, the latest edition applies to this standard.

GB 3095 Ambient Air Quality Standard

GB/T 3766 General technical requirements for hydraulic systems

GB/T 4272 General rules for equipment and piping insulation Mechanical electrical machinery - Electrical equipment - Part 1. General technical requirements GB 5226.1

GB/T 7932 General technical requirements for pneumatic systems Comprehensive Emission Standard for Wastewater

GB/T 11718 Medium Density Fiberboard Standard for Environmental Noise Discharge of Industrial Enterprises

GB/T 13306 signs Emission standard for odorous pollutants GB/T 14554

GB 16297 Integrated Emission Standard for Air Pollutants

GB/T 18262 General technical requirements for wood-based panel machinery

GB/T 18514 man - made board mechanical safety general rules Code for construction and acceptance of industrial metal piping

GB 50235 Code for construction and acceptance of low - voltage electrical appliances

GB 50254 electrical installations Specification for installation and acceptance of compressors, fans, pumps GB Z1 industrial enterprises design health standards HJ/T 315-2006 Clean production standard Wood-based panel industry (medium density fiberboard)

JB/T 9953 woodworking machine noise noise (pressure) level measurement method Flooring - based fibreboard for flooring Code for design of pneumatic dust (transport) system for wood industry LY/T 1806-2008 Specification for design of medium density fibreboards LY/T 5133-1996

3.1 General requirements

3.1.1 production line process and process layout should be consistent with the requirements of LY/T 5133-1996.

3.1.2 Production line All equipment, electrical equipment, automatic control device, pneumatic conveying system, auxiliary pipeline, safety fire protection facilities, anti-static facilities Water, electricity, steam, gas, hydraulic, heat and ventilation and dust removal system, laboratory, inspection, environmental protection system should be complete, complete, and in line with their respective standards