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

GB/T 21158-2025

Replacing GB/T 21158-2007

Seed processing complete equipment

种子加工成套设备

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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 replaces GB/T 21158-2007 "Complete Sets of Seed Processing Equipment". Compared with GB/T 21158-2007, the main differences are structural adjustments and... Aside from editorial changes, the main technical changes are as follows:

- a) The terms "complete seed processing equipment" and "impurities" have been added (see 3.1, 3.2), while the terms "germinated grains" and "damaged grains" have been deleted (see (2007 editions
- b) Added a method and example for marking the model number of complete sets of equipment (see 4.2);
- c) The main parameter series for complete sets of equipment for processing major crop seeds has been changed (see 4.3,.2007 edition of 4.3);
- d) The safety technical requirements for protective devices, safety signs, and electrical equipment have been revised (see 5.1.1, 5.1.2, and 5.1.3,.2007 edition). (5.10.1, 5.10.2, and 5.10.4)
- e) Safety technical requirements for belt conveyors, other equipment, and auxiliary devices have been added (see 5.1.4);
- f) The general processing technology and equipment configuration of complete sets of equipment for processing major crop seeds have been changed (see 5.3,.2007 edition). 5.2);
- g) The performance indicators of complete sets of equipment for processing seeds of major grain crops, major vegetable crops, and major cash crops have been changed (see...). 5.4 (5.3 in the.2007 edition)
- h) The requirements for the effectiveness of complete sets of equipment have been changed (see 5.5, 5.4 in the.2007 edition);
- i) The emission requirements for dust removal equipment have been removed, and the dust removal efficiency regulations have been changed (see 5.6,

5.5 in the 2007 edition);

1 Scope

GB/T 21158-2025 is the Chinese national standard covering the seed processing line - the cleaning, grading, treating and bagging in sequence, the throughput and the loss of good seed at each stage, the germination that must not be damaged, and the carry-over between varieties that would ruin a lot. Issued on 31 October 2025, it has been in force since 1 May 2026, replacing GB/T 21158-2007.

This document specifies the type and model designation methods, technical requirements, and inspection procedures for complete sets of seed processing equipment (hereinafter referred to as "complete sets of equipment"). It specifies the requirements for labeling, packaging, transportation, and storage, and describes the corresponding test methods. This document applies to seeds of major food crops (wheat, rice, corn, soybeans), vegetable crops, and cash crops (cotton, rapeseed, sugar beets). For complete sets of processing equipment, the same applies to complete sets of processing equipment for other crop seeds.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. 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. This document.

GB/T 3543.2-2025 Crop Seed Inspection Procedures Part

3 Solanaceous Crops

GB 16715.4 Seeds of Cucurbit and Vegetable Crops Part

4 Brassica Crops

GB 16715.5 Seeds of melon and vegetable crops - Part

5 Leafy green vegetables

GB 19176 Sugar Beet Seeds

GB/T 23821-2022 Safety of Machinery - Safe Distances to Prevent Upper and Lower Limbs from Touching Dangerous Areas

GB/T 24854-2010 General Technical Requirements for Packaging of Grain and Oil

Machinery Products GBZ 2.1-2019 Occupational Exposure Limits for Hazardous Factors in the Workplace Part

1. Chemical Hazardous Factors GBZ 159-2004 Sampling Specifications for Monitoring Hazardous Substances in Workplace Air GBZ /T 189.8-2007 Measurement of physical factors in the workplace - Part

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