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

GB/T 14695-2021

Replacing GB/T 14695-2011

Bucket wheel stacker reclaimer - Type and basic parameters

臂式斗轮堆取料机 型式和基本参数

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 14695-2011 "Arm Type Bucket Wheel Stacker and Reclaimer Type and Basic Parameters", and is consistent with GB/T 14695-2011. In addition to editorial changes, the main technical changes are as follows:

---Added the content of the type division of the arm type bucket wheel stacker and reclaimer, the arm type bucket wheel reclaimer, and the arm type stacker (see Chapter 2);

---Added the content of tail car type division (see Chapter 3);

---Added the arm bucket wheel reclaimer and arm stacker in the circular stockyard (see Chapter 4);

---Increase the typical organization type (see Chapter 5);

---Added the relevant content of the electrical system (see Chapter 6);

---Relevant content about the representation method and marking examples of the stacker-reclaimer model is deleted (the

2.8 of the 2011 edition)

---Added the content of material granularity (see 7.1);

---Modified the related content of quota productivity (see 7.2, 3.1 of the 2011 edition);

---Added the relevant content of the bucket wheel diameter (see 7.3);

---Modified the relevant content of the radius of gyration (see 7.4, 3.2 in the 2011 edition);

1 Scope

GB/T 14695-2021 is the Chinese national standard on bucket wheel stacker reclaimer - type and basic parameters, in the field of materials handling equipment. The /T suffix marks

it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 9 March 2021 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 October 2021. Classification: ICS 53.040.99, CCS J83. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the types and basic parameters of arm-type bucket wheel stackers and reclaimers, arm-type bucket wheel reclaimers, and arm-type stackers. This standard applies to arm-type bucket-wheel stackers and reclaimers, arm-type bucket-wheel reclaimers, and arm-type stackers (where the arm Bucket-wheel stacker-reclaimer and arm-type stacker are composed of two parts. main engine and tail car). The stacking and reclaiming equipment composed of two parts of the arm stacker and the arm bucket wheel reclaimer running on the circular track of the circular stockyard can refer to this Standard implementation.

2 Type

2.1 General According to the driving type of the pitch mechanism, the main machine of the arm type bucket wheel stacker and reclaimer, the arm type bucket wheel reclaimer, and the arm type stacker can be divided into liquid For the two types of hydraulic cylinder drive and wire rope hoisting mechanism drive, see Appendix A. Refer to Appendix B for the explanation of the terms "overall pitch, non-overall pitch and cantilever beam overall pitch". See Appendix C for the classification block diagram of arm type bucket wheel stacker and reclaimer and arm type stacker tail model. See Appendix D for the typical component combination table of arm-type bucket wheel stacker-reclaimer, arm-type bucket wheel reclaimer and arm-type stacker equipment. See Appendix E for the drive device of the bucket wheel mechanism.

2.2 Arm type bucket wheel stacker and reclaimer

2.2.1 The main engine type of the arm-type bucket wheel stacker and reclaimer driven by the hydraulic oil cylinder is shown in Figure 1~Figure 3. Description. 1

---Bucket wheel mechanism; 2

---cantilever beam; 3

---Cantilever belt conveyor; 4

---Driver's cab; 5

---Pitching mechanism; 6

---Counterweight arm (including counterweight); 7

---Rotary structure; 9

--- Slewing mechanism; 10

---Door frame; 11

---Operating agency. Figure

1 The hydraulic cylinder drives the arm-type bucket wheel stacker and reclaimer of the overall pitch type