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REPUBLIC OF CHINA**

**中华人民共和国机械行业标准**

JB/T 1647.2-2012

Replaces JB/T 9964-1999

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**Straight-side mechanical power press—  
Part 2: Technical requirements  
闭式压力机 第2部分：技术条件**

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## Foreword

JB/T 1647 *Straight-side Mechanical Power Press* is divided into two parts:

- Part 1: Parameters;
- Part 2: Technical requirements.

This Part is Part 2 of JB/T 1647.

This Part is drafted according to the rules specified in GB/T 1.1-2009.

This Part replaces JB/T 9964-1999 *Straight-side Mechanical Power Press-Part 2: Technical Requirements*; Compared with the JB/T 9964-1999, the main technical changes are as follows:

- The standard name was changed to *Straight-side Mechanical Power Press- Part 2: Technical Requirements*;
- The standard structure has been reorganized;
- The use range of press has been stated;
- Terms and definitions and classification of named chapters have been added;
- The test requirement for variable speed press has been added in the running test;
- While conducting single stroke test, the clutch and brake's joint times per minute have been adjusted;
- The overload test is performed according to 110% of the nominal force instead of 120% of the nominal force;
- The allowable deflection of dual and four points press slide and table has been modified;
- The test record of main motor's voltage, current, temperature etc. while the continuous stroke and single stroke run has been added;
- The requirement for the appearance and quality of the press has been improved
- The measurement method of stiffness in Appendix A has been modified;
- The measurement method of total clearance in Appendix B is changed to test record in Appendix B.

This Part is proposed by China Machinery Industry Federation.

This Part is centralized by National Committee on Forge Press of Standardization Administration of China (SAC/TC220).

The drafted organizations of this Part are: The Jier Machine Tool Group Co., Ltd., Jiangsu Yangli Power Group Co., Ltd., Shandong Gaomi High Forging Machinery Co., Ltd.

Main drafters of this Part are: Lu Jiansheng, Li Hong, He Qing, Jiang Xiuhua, Du Yong, Chen Qisheng and Zhan Xiujuan.

The release conditions of previous versions of the standard replaced by this Part are as follows:

- JB 1279-1981;
- ZB J62028-1989;
- JB/T 9964-1999.

# **Straight-side mechanical power press—**

## **Part 2: Technical requirements**

### **1 Scope**

This Part of JB/T 1647 specifies the technical requirements, test methods, inspection rules, packaging, labeling and transport of the closed press.

This Part applies to closed single, double, four-point mechanical presses, also applies to closed single, double, four-point trimming presses (hereinafter referred to as the press).

This Part does not apply to hot forging presses, closed high-speed presses and other special presses.

### **2 Normative references**

The articles contained in the following documents have become this document when they are quoted herein. For the dated documents so quoted, all the modifications (Including all corrections) or revisions made thereafter shall be applicable to this document.

GB 150      Steel pressure vessels

GB/T 191    Packaging - Pictorial marking for handling of goods

GB/T 3766   Hydraulic fluid power--General rules relating to systems

GB 5226.1   Electrical safety of machinery - Electrical equipment of machines - Part 1: General requirements

GB/T 6576   Machine tools--Lubrication systems

GB/T 7932   Pneumatic fluid power—General rules relating to systems

GB/T 7935   Hydraulic fluid power—General requirements for hydraulic components

GB/T 8541   Terminology of forging and stamping

GB/T 10924   Straight sided single or two - Point mechanical power presses - Testing of the accuracy

GB/T 13306   Plates

GB 17120    Metalforming machinery - Safety requirements

GB/T 23281   Metal forming machinery -noise measurement method of sound pressure levels

JB/T 1647.1   Straight sided mechanical power press — part 1: Types and basic



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