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JB

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

中华人民共和国机械行业标准

JB/T 5000.1-2007

Replace JB/T 5000.1-1998

**Heavy mechanical general techniques and
standards—Part 1: Check of product**

**重型机械通用技术条件
第 1 部分：产品检验**

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China

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Preface

The JB/T5000 currency technical specifications of Heavy Machinery has been divided 15 parts

- 1. Production Test
- 2. Flame cutting parts
- 3. Welding parts
- 4. Iron casting
- 5. Nonferrous metal casting
- 6. Steel casting
- 7. Repair welding of the steel casting
- 8. Forging
- 9. Cutting and processing parts
- 10. Assemble
- 11. Tubing
- 12. Painting
- 13. Packing
- 14 NDT about cast steel
- 15 NDT about forging steel

This is the first part of JB/T5000

This part is to substitute the JB/T 5000.1—1998 *Heavy Mechanical General Techniques and Standards Check of Product*

Compared with JB/t 5000.1—1998, the main changes of this part are:

_____ Band DS and DK will be cancelled in the quality of classification ruling of jointing welded element.

Band IV will be cancelled in the grade welding line defect.

Band D will be cancelled in the grade of dimension and the deviation of angle.

Band H will be cancelled in the grade of geometric tolerance.

_____ The section of the grade of dimensional tolerance of casting and the basic size of rough will be modulated.

The section of the iron casting's measure :> 25~2500mm instead of >10~2500mm

The non-ferrous casting need to be added one band ≤ 25 mm tolerance grade is CT9.

Cast Steel: the section of dimension should be changed as:

> 16mm~250mm tolerance grade is CT 13;

>250mm~4000mm tolerance grade is CT14;

>4000mm~10000mm tolerance grade is CT15

_____ Add the request of semi-manufactured the goods checkout

_____ Add the request of special installation's checkout

This part is proposed by China Machinery Industry Union.

This part is administered by Metallurgical Equipment Machinery Industry Standardization Technical Committee.

This part's drafting committee is Xi'an Heavy Machinery Research Institute

The main draftsmen of this part are: Zhang Qiming, Zhang Guangyong

The entire standard editions which published in the past substituted by this part are as follow:

_____ JB/T 5000.1—1998

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