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**JJF**

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

**JJF 1315-1990**

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**Program os Pattern Evaluation fos Fatigue Testing Machines.  
Part 1: Axical Force-applied Fatigue Testing Machines  
(English Translation)**

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### **5.2 Legal metrology marking and identification of measuring instruments (5)**

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## **Introduction**

JJF 1315-2011 "fatigue testing machine model evaluation framework" consists of two parts.

--- Part 1. axial loading fatigue testing machine;

--- Part 2. rotating pure bending fatigue testing machine.

This part is the fatigue testing machine model evaluation outline Part 1.

This outline is based on JJF 1016-2009 "Measuring Instruments type evaluation outline guidelines for the preparation", JJF 1015-2002 Principles of preparation "Measuring Instruments type evaluation and type approval of universal norms" provisions. Because of the type of fatigue testing machine, Type and specification more for type review, if not completely cover the entire fatigue testing machine metrology and technical requirements If

required, to be prepared in accordance with the outline additional provisions related to corporate standards or technical documents, as a common type evaluation Basis.

When you use this syllabus for type evaluation test fatigue testing machine, to select the outline phase depending on the type of test machine it should be part of.

Fatigue testing machine model evaluation outline Part 1. axial loading fatigue testing machine

## 1 Scope

This outline is applied to the axial loading fatigue testing machine (hereinafter referred to as test machine) pattern evaluation. Axial loading fatigue Labor tester include. electro-hydraulic servo fatigue testing machine, hydraulic pressure pulsation fatigue testing machine, mechanical fatigue testing machine, Electromagnetic resonance fatigue testing machine, electric and pneumatic fatigue test machine fatigue testing machine.

## 2. References

JJG556-1988 axial loading fatigue testing machine JJG762-2007 extensometer JJF 1011-2006 force value and hardness measurement terms and definitions GB/T 2611-2007 General requirements for testing machines GB/T 3075-2008 Metal fatigue test axial force control method GB 5226.1-2008 Safety of machinery - Electrical machinery and electrical equipment - Part 1. General requirements (IEC 60204-1:2005, Safetyofmachinery-Electrical equipmentofmachines-Part 1.

Generalrequirements, IDT) GB/T 16825.1-2008 static uniaxial testing machines - Part 1. Tension (or) pressure test Testing machine measuring system test and calibration (ISO 7500-1:2004, Metallicmaterials-Verificationof staticuniaxialtestingmachines-Part 1. Tension/compressiontestingmachines-Veri-ficationandcalibrationoftheforce-measuringsystem, IDT) JB/T 5488 high-frequency fatigue testing machine JB/T 9397 tension and compression fatigue testing machine technical conditions ISO 4965. 1979 Axialloadfatiguetestingmachines-Dynamicforcecalibration-Straingaugetechnique ASTM E467-2008

StandardPracticeforVerificationofConstantAmplitudeDy-namicForcesinanAxialFatigueTestingSystem ASTM E1012-2005 StandardPracticeforVerificationofTestFrameandSpecimen AlignmentUnderTensileandCompressiveAxialForceApplication these documents contain provisions which through reference in this syllabus constitute provisions of this outline. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this syllabus, however, the drum According to the outline encourage parties to reach an agreement to study whether the latest versions of these documents. The undated Reference documents, the latest versions apply to this outline.

## 3 Terms and symbols

### 3.1 Terms and Definitions