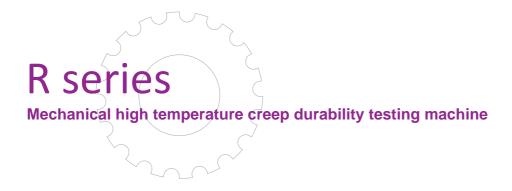
11 CREEP DURABILITY TEST SYSTEM



Product model:RDJ Series

01 Overview

RDJ series mechanical high temperature creep endurance testing machine

RDJ mechanical creep endurance testing machine adopts weight loading mode, which has the characteristics of long-term stability and reliability. It is mainly used for creep and rupture strength test of metal and alloy materials.



02 Advantages & Characteristics

Highly integrated integrated host (temperature control system integrated in the host) saves space.

LCD + network communication manual control box makes user experience more convenient.

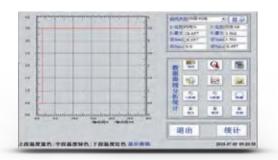
The automatic leveling system adopts redundant control and two-way opposed slot photoelectric switch, which is stable and reliable.

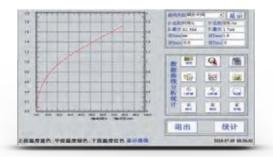
Ethernet distributed control is adopted, the data transmission speed is fast, and the wiring is simple and regular.

Software one key power off recovery test function, more convenient operation.

Each fulcrum of the lever adopts the structure of knife edge and knife bearing, which ensures the high sensitivity of the whole machine.







Endurance curve Creep curve

RDJ series mechanical high temperature creep durability test technical parameter table

Model	RDJ10	RDJ30	RDJ50	RDJ100	RDJ600
Max test force	10kN	30kN	50kN	100kN	600kN
Accuracy level	0.5级				1级
Host coaxiality	≤8%				
Measurement range	0. 5-10kN	0.5-30kN	0.5-50kN	1-100kN	12-600kN
Lever ratio	1:20	1:40	1:50	1:100	1:60
Lever level	一级			二级	
Lever offset	±0.1mm				
Minimum load	1N				100N
Down-rod speed	2.550mm/min				0.110mm/min
Down-rod stroke	≥200mm				
Power	Host220V, ≤750W; A	Atmospheric furnace	Host220V, ≤1.5kW; Atmospheric furnac		

17 CREEP DURABILITY TEST SYSTEM









Multi-head electronic relaxation creep testing machine

Product model: ZRDL-D Series

Main uses

The multi-head electronic creep endurance testing machine is mainly used for the compression creep and relaxation tests of non-metallic materials at a certain temperature.

Advantages and Characteristics

Three independent loading systems can be used for different tests at the same time.

With the corresponding accessories and software, creep test, relaxation test, low cycle fatigue test and creep fatigue test can be carried out.

Continuous working time: more than 500 hours.

Biaxial tensile creep testing machine

Product model: ZRDL-T Series

Main uses

It is mainly used to test the persistent creep test of glued materials under the condition of simultaneous force in the horizontal and vertical directions.

Bending creep testing machine

Product model: ZRDL-W Series

Main uses

It is mainly used for bending creep test of FRP and related materials under temperature environment. According to GB / T1456 Test Methods for Bending Performance of Sandwich Structure, the bending stiffness and shear stiffness of FRP can be calculated by three-point bending test of extended beam.

CREEP DURABILITY TEST SYSTEM 18



Product model: ZRDL-Y Series

Main uses

It is used for compression creep test of materials in high temperature environment.

Test Methods for Compression Creep of Rigid Foam

Compression creep testing machine



Small punch testing machine

Product model: ZRDL-CK Series

Main uses

It is used to test the creep properties of micro sheet specimens at high temperature. It is a new method to obtain the creep properties of in-service components.



Rubber creep testing machine

Product model: ZRDL-Y Series

Main uses

It is mainly used for tensile compression creep rupture test of rubber materials at high and low temperature. It meets the standard of GB / T1685 Determination of Compression Stress Relaxation of Vulcanized Rubber or Thermoplastic Rubber at Room Temperature and High Temperature.



Corrosion testing machine

Product model: ZRDL-GF Series

Seawater corrosion creep endurance testing machine
High temperature corrosion testing machine
High temperature salt spray corrosion testing machine
C-ring stress corrosion testing machine

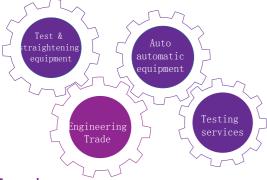
COMPANY PROFILE

Sinotest Equipment Co., Ltd. (short name: SINOTEST) was founded in 1959 (original name: Changchun Research Institute for Testing Machines of the Ministry of Machine Building Industry; former name: Changchun Research Institute for Mechanical Science Co., Ltd.). SINOTEST is a subsidiary of SINOMACH GROUP, one of the world's top 500 large state-owned enterprises. It is the support unit of the national testing machine quality supervision & inspection center and the national testing machine standardization committee. The national testing machine industry association and the association Secretariat are all located in SINOTEST. SINOTEST is known as the "cradle of China's testing machine technology". It is a high-tech enterprise with perfect innovation ability in China's test equipment industry.

SINOTEST is a state-level scientific and technological innovation enterprise mainly engaged in R & D and manufacturing of "test equipment". At present, the company has 120 patents, including 61 invention patents, 30 software copyrights and 29 utility models. The company presided over the formulation of 30 national standards and 42 industrial standards. SINOTEST has undertaken 4 national major scientific instrument projects. 3 of them have been accepted by the state. Currently, the project of "high temperature and high frequency in situ testing technology and application" is passing the acceptance of scientific research achievements. SINOTEST has kept continuously innovating. It has a number of international cutting-edge core technologies in the test equipment industry, and has solved a number of national "neck sticking" technical problems, including hydrostatic support technology, measurement and sensing technology, etc. A batch of key technology has been in an advanced position in the world.

SINOTEST is a professional engineering test and solution provider in China. It has advanced product innovation ability and special product R & D and manufacturing system in the industry. It is a high-end solution provider in the whole industry chain covering the development of unit components, manufacturing of finalized products, customized special products and overall construction of laboratory.

Now, SINOTEST has formed an industrial layout of one center and two bases, with R & D center located in Beijing and manufacturing bases located in Changchun and Wuxi. SINOTEST focuses on the field of high-end equipment manufacturing, leads the development of China's test equipment technology and industry, and makes unremitting efforts for the rise of national industry!



Core value:

Integrity, innovation, passion, joint efforts and win-win cooperation

With 60 years of material testing experience, SINOTEST provides professional material testing solutions for users with rich technology accumulation and strong innovation ability.



Enterprise qualification

High tech Enterprise

Innovative technology enterprise

German Rhine certification

EU CE certification

Safety production standardization

certification

Intellectual property management system

Industry qualification

National testing machine quality supervision

& Inspection Center

National Technical Committee of testing

machine standardization

National straightening machine

standardization group

Secretariat of National Testing Machine

Industry Association

Industry journal "Engineering and testing"

R & D and testing institutions

Academician workstation, postdoctoral

research workstation

Engineering Research Center of material

testing instrument in mechanical industry

Research Center of straightening equipment

From standardized test equipment to customized test system and series test solutions, SINOTEST is working hard to meet the special needs of users, to build and establish a domestic first-class and internationally influential high-end brand.



SINOTEST is recognized as the most powerful test equipment technology leading brand in China. With excellent product quality, professional technical support and perfect after-sales service, it aims to provide users with perfect test solutions.

Application area

The technical capability of SINOTEST covers the whole system of material mechanics test, and can provide you with comprehensive test solutions to meet the test requirements of almost all industries, especially in the aspects of micromechanics, large-scale material structure, mechanical property test under high temperature and complex environment in scientific research level, as well as personalized special demand test equipment.

Application fields: metals, plastics, rubber, textiles, biomedical materials, composite materials, electronic industry, parts processing, automobile manufacturing, aerospace, etc.

Flexible modular test procedure Standard modular test accessories Intelligent automatic test software Accurate digitized measurement and analysis system





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- 大连理工大学
- 东北大学
- 北京科技大学
- 北京航空航天大学
- 北京工业大学
- 华北电力大学
- 天津大学 • 河北工业大学
- 燕山大学
- 太原理工大学
- 太原科技大学
- 武汉科技大学
- 海军工程大学
- 中南大学 • 湖南大学
- 长沙理工大学
- 国防科技大学
- 华中科技大学
- 浙江大学
- 浙江工业大学
- 江苏大学
- 南京航空航天大学
- 南京工业大学
- 上海交通大学
- 上海大学
- 同济大学
- 华东理工大学
- 上海工程技术大学
- 中国石油大学(华东)
- 中国科学技术大学
- 山东理工大学
- 南方科技大学
- 南昌航空航天大学
- 广东工业大学
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- 合肥通用机械研究院
- 中国核动力研究设计院
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- 中国科学院长春应用化学研究所
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- 山东兖矿合金有限公司
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- 上海上材工程材料检测有限公司
- 钢研纳克检测技术有限公司
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- 苏州热工研究院有限公司

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- 中船重工龙江广翰燃气轮机有限公司
- 山东伏雷克电气有限公司
- 华北电力科学研究院有限责任公司
- 上海电气电站设备有限公司汽轮总厂
- 天津重型装备工程研究有限公司
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- 信阳航天标准件厂
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