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Enterprise Culture

Build International Brand of National Test Instruments

Management Idea

Best People Business achievement Customer satisfaction

Business Purpose

Create value for customers and partners
Create opportunities for employees
and create benefits for the society and shareholders

Core Value

Honesty is the best policy Pursuit of the ultimate Depend on each other

Enterprise mission

Provide high quality solution for every customer

SANSI TEST

Professional Testing Machine Manufacturer



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Company profile

SANSI YONGHENG TECHNOLOGY (ZHEJIANG) CO., LTD. is a professional R & D, production, manufacturing, sales, after-sales technical services in one of the comprehensive professional testing equipment manufacturers.

The company was founded in 2009, is a professional production and development of universal testing machine including electronic universal testing machine, hydraulic universal testing machine, digital display electronic tensile testing machine, spring tensile testing machine, torsion testing machine, impact testing machine, fatigue testing machine and so on, coating thickness gauge and metallographic consumables three series of products.

Sansi Test products have Perform tension, compression, flexure/bending and shearing for specimens. Products are mainly used in rubber, plastic, iron, steel, wire, cable and other fields. Application industries include automobile, mobile phone, electronics and electrical appliances, aviation, aerospace, scientific research institutions and other industries.

Sansi Yongheng technology (zhejiang) co, ltd. has a strong technical strength, passed the ISO9001 system certification and CE certification, obtained higher than the national standard of 0.5 level of manufacturing measuring instrument license and measuring instrument form approval certificate. At present, there are no more than 5 enterprises in China that have obtained the 0.5 level production license. The company owns 5 Copyrights, 3 invention patents and 12 utility model patents.

Sansi Test implements 5S standardized management, and the products quality in the international advanced ranks. The production mode of the whole process from processing to production ensures the quality of equipment to the maximum extent, and absolutely ensures the timely delivery of all equipment.

The company has a dust-free standard test center, all parts and components after strict inspection and testing before warehousing to the production assembly workshop.

With years of industry experience and technology accumulation, the company has made remarkable achievements in various fields. At present, the company has 8 technical R&D personnel, 5 of whom have more than 20 years of industry equipment R&D experience.

The company adheres to the principle of "people first" and "customer first", providing each employee with broad development and promotion space. Simple, efficient and warm management mode makes every employee full of vitality.

Customer first, dedicated customer service is the purpose of the company, to better development and service customers.

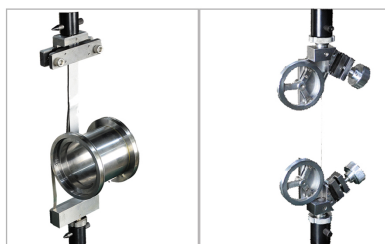
Set up Sansi Yongheng technology (zhejiang) CO., LTD, purpose is that we will use the technology accumulation for many years, at the same time the introduction of international advanced technology to comprehensive upgrading of existing products, for our target customers the enterprise production control, inspection of incoming materials, import and export commodity inspection, product quality inspection supervision and all scientific research colleges and universities, the third party testing institutions, to provides the high quality machine equipment, solve them during the process of developing and testing a focus and difficult problems.

Build "Testing machine first brand" is our enterprise vision and the goal of the struggle, to provide every customer with a full set of high-quality solutions is our mission!



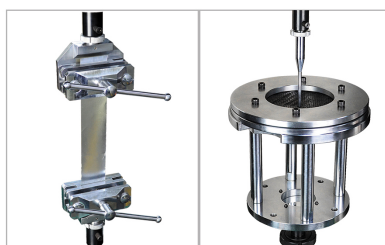
CMT2000

Digital Display Electronic Universal Testing Machine



Peel clamp

Winding clamp



Butt clamp

Punching clamp

Using Scopes:

CMT-1000 Series Digital Display Electronic Universal Testing Machine is applicable for tensile, compression and bending tests of materials with relatively small test force, such as rubber, plastic, textile, waterproofing material, cable, network wire, metal wire, metal rod, metal plate and others.

With attaching tools, it can also do compression and bending tests.

Application:

The equipment is applicable to the measurement and analysis of mechanical performance not only metal, non-metal material, but also composite materials. It is widely used in aerospace, petrochemical, machinery manufacturing, wire and cable, textiles, fibers, plastics, rubber, ceramics, food, medicine packaging, plastic pipes, plastic doors and windows, geotextile, film, wood, paper, metal materials and manufacturing. According to GB, JIS, ASTM, DIN, ISO and other standards, it can automatically strike the maximum test force value breaking force value, yield strength, upper and lower yield strength, tensile strength, compressive strength, elongation, tensile modulus, flexural modulus test data etc.

Advantages:

High-precision and fully-digital speed governing system and precision reducing gear are adopted to drive the precision screw rod to carry out the test, achieving the adjustment of testing speed by a large margin, as well as low noise and stable operation during the test;

Operating mode of touch keys and real-time display on LCD digital screen the selection window for testing methods, selection window for testing parameters as well as displaying window for testing operation and testing result, how convenient and efficient!

Achieve different speed levels of beam lifting adjustment when mounting and clamping the specimen even fine turning, as well as function of overload protection;

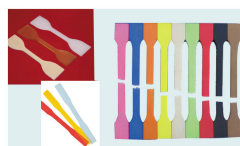
Suitable for externally connecting with optional controller;

Various optional testing accessories, meet any of your measurement requirement.

Specification

Model	CMT1102, CMT1202, CMT1502, CMT1103, CMT1203, CMT1503					
Max. Testing Force	100N	200N	500N	1kN	2kN	5kN
Operation Mode	Digital LCD Displayer					
Measuring Range	2%-100% of the maximum testing force					
Relative Error on Indicated Values of Testing Force	Better Than $\pm 1\%$ of the Indicated Value					
Error on Deformation Display	$\pm 1\%$ (Optional $\pm 0.5\%$)					
Min. Force Resolution	0.01N					
Displacement Precision	$\pm 1\%$ ($\pm 0.5\%$ Optional)					
Deformation Accuracy	Better than $\pm 1\%$ ($\pm 0.5\%$ Optional)					
Speed Governing Range	1-200mm/min					
Testing Travelling Distance	>600 mm (can be customized according to needs)					
Power Supply	220V, 50HZ, 400W					
Weight (Approximate KG)	90KG					
Dimension(MM)S	450×370×1300mm 450×370×1500mm					

Floor-Standing Electromechanical Universal Testing Machine



Plastics



Metal



Spring



Rubber



CMT4000 Series rugged electromechanical UTM features with SANSI strain gage load cell force measuring systems. Options are available for single working space and dual working space load frame and maximum force is ranging from 500N to 30kN. All testing hardware is fully complemented by SANSI PowerTest software that turns your hardware into a sophisticated quality analysis system. Be sure to examine the software products to determine which package is right for your application.

1. **High accuracy:** Measuring accuracy of testing speed, load, crosshead displacement can meet or better than $\pm 0.5\%$ of reading
2. **High sampling rate:** The sampling rate is 50Hz or better, which is leading the international level
3. **High load resolution:** Better than 1/300000, no steps division in full range
4. **Multi-cycle control modes:** Control system is capable in load cycle, displacement cycle, extensometer cycle or the combinations
5. **High security:** The system can diagnose and protect itself automatically once overload, over current; Position limiter & Emergency stop functions are available.
6. **In compliance with various international standards, such as ASTM, BS EN, JIS, ISO, IEC**

Technical Specifications:

Model	CMT4502, CMT4103, CMT4203, CMT4503, CMT4104, CMT4204, CMT4304						
Max. Force	500N	1kN	2kN	5kN	10kN	20kN	30kN
Accuracy	Class 0.5 / 1						
Force Resolution	1/300,000 of Max. force, without step division						
Force Measuring Range	0.4%--100%FS / 0.2%--100% FS						
Force Measuring Accuracy	Within 0.5% / 1% of reading						
Deformation Measuring Range	0.2%--100%FS						
Deformation Measuring Accuracy	0.5% of reading						
Displacement Resolution	0.03um						
Crosshead Travel	1150 (can be extended)						
Vertical test space	800 (can be extended)						
Crosshead Speed Range	0.001-500mm/min						
Dimension (LxWxH)	700x510x1940mm						
Power	750W						
Weight	290kg						

CMT5000

Electromechanical Universal Testing Machine



Introduction:

These electromechanical UTM feature SANSI strain gage load cell force measuring systems. Choice of single working space or dual working space load frame and maximum frame capacities from 50N to 600kN. Options for the Electromatic machines include extra length screws and columns for extraordinary sized samples.

All testing hardware is fully complemented by SansiTest software that turns your hardware into a sophisticated quality analysis system. Be sure to examine the software products to determine which package is right for your application.

Features:

1. High accuracy: Measuring accuracy of testing speed, load, crosshead displacement can meet or better than $\pm 0.5\%$ of reading
2. High sampling rate: The sampling rate is 50Hz or better, which is leading the international level
3. High load resolution: Better than $1/300000$, no steps division in full range
4. Multi-cycle control modes: Control system is capable in load cycle, displacement cycle, extensometer cycle or the combinations
5. High security: The system can diagnose and protect itself automatically once overload, over currency; Position limiter & Emergency stop functions are available.
6. In compliance with various international standards, such as ASTM, BS EN, JIS, ISO, IEC

Technical Specifications:

Model	CMT5505	CMT5105
Max. Force	50kN	100kN
Accuracy	Class 0.5 / 1	
Force Resolution	$1/300000$ FS	
Force Measuring Range	0.4%--100%FS / 0.2%--100% FS	
Force Measuring Accuracy	Within 0.5% / 1% of reading	
Deformation Measuring Range	0.2%--100%FS	
Deformation Measuring Accuracy	0.5% of reading	
Displacement Resolution	0.025um	
Crosshead Travel	1050mm (Single space) / 1070mm (Dual space)	
Vertical test space	600mm (can be extended)	
Crosshead Speed Range	0.001-500mm/min	
Dimension (LxWxH)	1040mmx650mmx2230mm	
Power	380V, 3kW	
Weight	1200kg	

CMT5000

Electromechanical Universal Testing Machine



Hydraulic clamp Compression clamp

Three-point bending clamp Shear clamp

Introduction:

These electromechanical UTM feature SANSI strain gage load cell force measuring systems. Choice of single working space or dual working space load frame and maximum frame capacities from 50N to 600kN. Options for the Electromatic machines include extra length screws and columns for extraordinary sized samples.

All testing hardware is fully complemented by SansiTest software that turns your hardware into a sophisticated quality analysis system. Be sure to examine the software products to determine which package is right for your application.

Features:

1. High accuracy: Measuring accuracy of testing speed, load, crosshead displacement can meet or better than +0.5% of reading
2. High sampling rate: The sampling rate is 50Hz or better, which is leading the international level
3. High load resolution: Better than 1/300000, no steps division in full range
4. Multi-cycle control modes: Control system is capable in load cycle, displacement cycle, extensometer cycle or the combinations
5. High security: The system can diagnose and protect itself automatically once overload, over currency; Position limiter & Emergency stop functions are available.
6. In compliance with various international standards, such as ASTM, BS EN, JIS, ISO, IEC

Technical Specifications:

Model	CMT5205	CMT5305	CMT5505	CMT5605
Max. Force	200kN	300kN	500kN	600kN
Accuracy	Class 0.5 / 1			
Force Resolution	1/300,000 of Max. force, without step division			
Force Measuring Range	0.4%~100%FS/0.2%~100%FS			
Force Measuring Accuracy	Within 0.5% / 1% of reading			
Deformation Measuring Range	0.2%--100%FS			
Deformation Measuring Accuracy	0.5% of reading			
Displacement Resolution	0.015um			
Crosshead Travel	1200mm (Single space) /1100mm(Dual space)		650mm (can be extended)	
Vertical test space	570mm(can be extended)		420mm (can be extended)	
Crosshead Speed Range	0.001-250mm/min			
Dimension (LxWxH)	1060mm×650mm×2530mm		1360mm×1030mm×2830mm	
Power	380V, 5.5kW		380V, 7.5kW	
Weight	1500kg		2000kg	

ZRZ1452

Melt Flow Rate Tester

Melt flow rate testing machine (also known as melt index instrument) is a special instrument for measuring the melt flow rate of thermoplastics under certain conditions. The melt flow rate (melt index) of thermoplastics refers to the mass or melting volume of the melt passing through the standard die capillary every 10 minutes at a certain temperature and load. It is expressed by MFR (MI) or MVR value, which can distinguish the viscous flow characteristics of thermoplastics in the molten state. It is of great significance to the quality assurance of raw materials and products of thermoplastics and chemical fiber. This machine has high control temperature accuracy, nitriding treatment of key parts, high strength and hardness, and small deformation, which provides good conditions for accurate measurement of flow rate. The product is mainly used in the production, inspection, development and research of plastics in factories, product quality inspection offices, scientific research institutions and other institutions.



Technical parameters

Model	ZRZ1452
Temperature control range	100~450℃
Temperature controlled fluctuation	Within ±0.5℃
Temperature controls 4h drift	Not exceeding ±0.5℃
Temperature control resolution	0.1℃
Recovery time of drum temperature after feeding	≤4min
Clock range	0~6000s
Clock resolution	0.1-1s
Automatic cutting device	Set interval time (2~2000s Arbitrary adjustable), and automatically complete cutting
Weight load accuracy	≤±0.5%
Load range of weights	325-21600g Discontinuous, the combined load can meet the standard requirements.
measuring range	0.1~100g/10min
Overall dimension of host (length × width × height)	550mm×430mm×730mm
Weight-Main Unit	About 65kg
Power Supply	Ac single-phase 220±10% 50Hz 1.5KW

ZBC1000

Cantilever Beam Impact Testing Machine For Plastic

General Instruction:

ZBC1000 plastic pendulum impact testing machine is a testing instrument for testing the impact resistance of non-metallic materials such as plastics, nylon, rubber, glass fiber reinforced plastics, composite plastic pipes and electrical insulation materials under dynamic load. The machine can be divided into pointer type, liquid crystal type and microcomputer type according to the display mode, and can be divided into ZBC1400 (4J), ZBC1251 (25J) and ZBC1501 (50J) according to the energy. The machine is easy to operate and has high working efficiency. Can do simple beam test, can do cantilever beam test (ZBC1501 exception), support adjustment and replacement is convenient, strong applicability. It is an indispensable testing instrument for manufacturers of hard plastics, manufacturers of plastic pipes, quality inspection units and scientific research institutes.



Main functions:

The impact testing machine for cantilever beam is mainly suitable for impact testing of rigid plastic simply supported beam and cantilever beam. ZBC1251 model with tensile impact pendulum and fixture can be used for tensile impact test of plastic film and thin film. ZBC1501 is mainly used for impact test of plastic pipes for fluid transportation.

Technical parameters:

1. Pendulum energy:

ZBC1400 simply supported beam: 1J, 2J, 4J; Cantilever beam: 2.75J, 4J

ZBC1251 simply supported beam: 7.5J, 15J, 25J; Cantilever beam: 5.5J, 11J, 22J

ZBC1501 simply supported beam: 15J, 50J

2. Prehoisting Angle of pendulum: 150°

3. Impact velocity:

Simply supported beam: 2.9m/s (less than or equal to 5J), 3.8m/s (greater than 5J)

Cantilever beam: 3.5m/s

ZBC7000

Cantilever Beam Impact Testing Machine For Plastic

General Instruction:

ZBC7000 cantilever beam impact testing machine is a testing instrument for testing the impact resistance of non-metallic materials such as plastics, nylon, rubber, glass fiber reinforced plastics, composite plastic pipes and electrical insulation materials under dynamic load. It is an upgraded model of ZBC1000 series. This machine integrates all models of ZBC1000 series, and a host machine can be equipped with all pendulums and supports of ZBC1000 series. This machine is easy to operate, high working efficiency, convenient to adjust and replace the support, strong applicability, is hard plastic manufacturers, plastic pipe manufacturers, quality inspection units, scientific research institute and other essential testing instruments.

Standards:

1. GB/T 1043-93 impact test method for rigid plastic simply supported beam
2. GB/T 1843-1996 impact test method for plastic cantilevers
3. JB/T 8761-1998 impact testing machine for plastic cantilever beam
4. JB/T 8762-1998 impact testing machine for plastic simply supported beam
- ISO 179-1993 (E) plastics - determination of impact strength of simply supported beams
6. ISO 180-1993 (E) "plastics - determination of impact strength of cantilever beams"
7. GB/T 18743-2002 thermoplastic pipe simply supported girders for fluid transport -- impact test method (for pipe impact only)

Technical parameters:

1. Pendulum energy:
Simply supported beams: 1J, 2J, 4J, 7.5J, 15J, 25J, 50J Cantilever beam: 2.75J, 4J, 5.5J, 11J, 22J
2. Advance Angle of pendulum: 150°
3. Impact speed:
Simply supported beam: 2.9m/s (less than or equal to 5J), 3.8m/s (greater than 5J) Cantilever beam: 3.5m/s
4. Weight: about 100kg
5. Main engine power supply: ac 220V±10% 50Hz 5A

QYJ1251 Motorized Charpy and Izod Notch Cutting Machine

This machine is the cantilever beam, the simply supported beam type impact testing machine to do the non-metallic material impact toughness test notch specimen special sample making equipment, the equipment operation is simple, easy to use, with the tool durable, make the sample edge smooth, no burr and other advantages. This equipment is suitable for making notched samples in laboratories of scientific research institutions, colleges and universities, non-metallic materials factories and other users.



ZWK1302

Computer Controlled Hot Deformation VEKA Softening Point Testing Machine

ZWK1302 series Computer controlled veka softening machine is used for testing veka softening temperature and thermal deformation test of rigid pipes and fittings. The main sensors and executive components of this machine have the advantages of high quality, high reliability and high safety, etc. The sample rack can automatically rise and fall. At the same time, the Power Test test software is specially used to test the temperature of Veka softening point and thermal deformation temperature. This machine is an indispensable testing instrument for some pipe and fittings manufacturers and quality inspection units.

Main functions:

Used for measuring thermal deformation of thermoplastic and thermoplastic pipe fittings and temperature of veka softening point.

Technical parameters:

1. Temperature control range: room temperature ~ 300℃
2. Temperature accuracy: ±0.5℃
3. Uniform heating rate: A velocity: 5±0.5℃/6min B velocity: 12±1.0℃/6min
4. Medium: silicon oil or transformer oil (user-supplied)
5. Deformation measuring range: >10mm
6. Deformation resolution: 0.001mm
7. Number of sample racks: 3 for zwk1302-a, 4 for zwk1302-b, and 6 for zwk1302-c
8. The load: 1) vicar load: GA=10N±0.2N GB=50N±1N 2) thermal deformation bending normal stress:
Method A, using fiber stress of 1.80Mpa Method B, fiber stress 0.45Mpa Method C, fiber stress 8.00Mpa
9. Large heating power: ≤4500W
10. Power supply: ac three-phase five-wire 380V±10% 50Hz
11. Cooling mode: natural cooling and water cooling
12. Upper temperature protection function setting



ZYJ1251 Plastic/Rubber Dumbbell Specimen Cutting Machine For Tensile Test

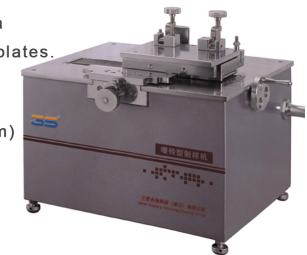
Main functions:

It is mainly used to produce dumbbell tensile specimens and veka thermal deformation specimens of various non-metallic pipes or plates.

Technical parameters:

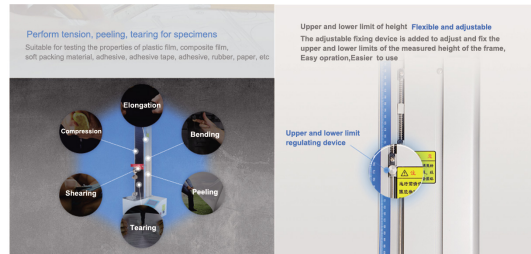
1. Sample * large thickness: 25mm
2. External dimension: length × width × height = 500×450×450(mm)
3. Motor speed: n=1440r/min
4. Tool diameter: 25mm
5. Power supply voltage: single-phase 220V±10% 5A 50Hz
6. Weight of host: about 70kg

Note: mold and fixture shall be selected according to the requirements of the contract



XBD-1000

Digital Display Single Column Electronic Tensile Testing Machine



Using Scopes:

XBD-1000 Series Digital Display Electronic Tensile Testing Machine is applicable for tensile, compression and bending tests of materials with relatively small test force, such as rubber, plastic, textile, waterproofing material, cable, network wire, metal wire, metal rod, metal plate and others. With attaching tools, it can also do compression and bending tests.

Application:

The equipment is applicable to the measurement and analysis of mechanical performance not only metal, non-metal material, but also composite materials. It is widely used in aerospace, petrochemical, machinery manufacturing, wire and cable, textiles, fibers, plastics, rubber, ceramics, food, medicine packaging, plastic pipes, plastic doors and windows, geotextile, film, wood, paper, metal materials and manufacturing. According to GB, JIS, ASTM, DIN, ISO and other standards, it can automatically strike the maximum test force value breaking force value, yield strength, upper and lower yield strength, tensile strength, compressive strength, elongation, tensile modulus, flexural modulus test data etc.

Advantages:

High-precision and fully-digital speed governing system and precision reducing gear are adopted to drive the precision screw rod to carry out the test, achieving the adjustment of testing speed by a large margin, as well as low noise and stable operation during the test;
Operating mode of touch keys and real-time display on LCD digital screen the selection window for testing methods, selection window for testing parameters as well as displaying window for testing operation and testing result, how convenient and efficient!
Achieve different speed levels of beam lifting adjustment when mounting and clamping the specimen, even fine turning, as well as function of overload protection; Suitable for externally connecting with optional controller;
Various optional testing accessories, meet any of your measurement requirement.

Technical Specifications:

Model	XBD1102	XBD1202	XBD1502	XBD1103	XBD1203	XBD1503
Max. Testing Force	100N	200N	500N	1kN	2kN	5kN
Measuring Range	2%-100% of the maximum testing force					
Relative Error on Indicated Values of Testing Force	Better Than $\pm 1\%$ of the Indicated Value					
Error on Deformation Display	$\pm 1\%$ (Optional $\pm 0.5\%$)					
Min. Force Resolution	0.01N					
Displacement Precision	$\pm 1\%$ ($\pm 0.5\%$ Optional)					
Deformation Accuracy	Better than $\pm 1\%$ ($\pm 0.5\%$ Optional)					
Speed Governing Range	1-200mm/min					
Testing Travelling Distance	>700 mm (can be customized according to needs)					
Carried Standard	GB/T2611, ISO, ASTM, DIN					
Power Supply	220V					
Weight (Approximate KG)	35KG/75KG					
Clamp Type	Each One Piece of Standard Clamp for Tension Test and Compression Test (Optional Clamp If Needed; Special Clamp Can Also Be Customized for Customers)					

XBD-2000

Single Column Computer Controlled Tensile Testing Machine



Sansi Test | Eternal Development

Using Scopes:

XBD-2000 Series Single Column Computer Controlled Tensile Testing Machine is applicable for tensile, compression and bending tests of materials with relatively small test force, such as rubber, plastic, textile, waterproofing material, cable, network wire, metal wire, metal rod, metal plate and others. With attaching tools, it can also do compression and bending tests.

Application:

The equipment is applicable to the measurement and analysis of mechanical performance not only metal, non-metal material, but also composite materials. It is widely used in aerospace, petrochemical, machinery manufacturing, wire and cable, textiles, fibers, plastics, rubber, ceramics, food, medicine packaging, plastic pipes, plastic doors and windows, geotextile, film, wood, paper, metal materials and manufacturing. According to GB, JIS, ASTM, DIN, ISO and other standards, it can automatically strike the maximum test force value breaking force value, yield strength, upper and lower yield strength, tensile strength, compressive strength, elongation, tensile modulus, flexural modulus test data etc.

Measuring and control system:

- 1.1 Based on full digital STC300 measuring and control card;
- 1.2 Realize load, deformation, crosshead displacement, test process four kind close loop control;
- 1.3 Data collection system use 4 channel of high accuracy 24 digit A/D converter;
- 1.4 Resolution can upto 1/500000, full range without step;
- 1.5 Choose BB, AD, Xilinx etc. brand famous integrated components, fully digital design;
2. Loadframe structure and Driven type:

- 2.1 Loadframe is floor type, with high strength, low deformation, compact structure and beautiful

Appearance;

- 2.2 Adopt Circular Arc Profile Synchronous Belt Transmission, eliminate dual direction clearance;
- 2.3 Adopt Japansonic AC servo motor and driving system, ensure transmission and moment of force
- 2.4 Adopt imported high accuracy ball leading screw, stable transmission.

Technical Specifications:

Model	XBD2102	XBD2202	XBD2502	XBD2103	XBD2203	XBD2503
Max. Testing Force	100N	200N	500N	1kN	2kN	5kN
Measuring Range	2%-100% of the maximum testing force					
Relative Error on Indicated Values of Testing Force	Better Than $\pm 1\%$ of the Indicated Value					
Error on Deformation Display	$\pm 1\%$ (Optional $\pm 0.5\%$)					
Min. Force Resolution	0.01N					
Displacement Precision	$\pm 1\%$ ($\pm 0.5\%$ Optional)					
Deformation Accuracy	Better than $\pm 1\%$ ($\pm 0.5\%$ Optional)					
Speed Governing Range	1-200mm/min					
Testing Travelling Distance	>700 mm (can be customized according to needs)					
Carried Standard	GB/T2611, ISO, ASTM, DIN					
Power Supply	220V					
Weight (Approximate KG)	90KG					
Clamp Type	Each One Piece of Standard Clamp for Tension Test and Compression Test (Optional Clamp If Needed; Special Clamp Can Also Be Customized for Customers)					

XBD-4000

Computer Controlled Electronic Universal Testing Machine



Main Features:

- 1, Perform tension, compression, flexure/bending and shearing for specimens. Suitable for metal and nonmetal material, such as iron, steel, steel bar, rebar, rod, spring steel, wire, cable and so on.
- 2, Series computer controlled electronic UTM is dual space structure, tensile test executed at upper side of crosshead, compression and bending test executed at lower side of crosshead.
- 3, High stiffness of the leading screw and robust crosshead structure, maximum elimination the affection of loadframe deformation;
- 4, Matched with various test fixture, like peel, puncture, tear, pneumatic grip, belt tension etc., this UTM can be used to metal, non-metal, composite material like rubber, steel wire, plastic, seat belt, textile character test.
- 5, Standards: Comply with ISO, BS, ASTM, JIS standard and so on.

Measuring and control system:

- 1 Based on full digital STC300 measuring and control card;
- 2 Realize load, deformation, crosshead displacement, test process four kind close loop control;
- 3 Data collection system use 4 channel of high accuracy 24 digit A/D converter;
- 4 Resolution can upto 1/500000, full range without step;
- 5 Choose BB, AD, Xilinx etc. brand famous integrated components, fully digital design;

Loadframe structure and Driven type:

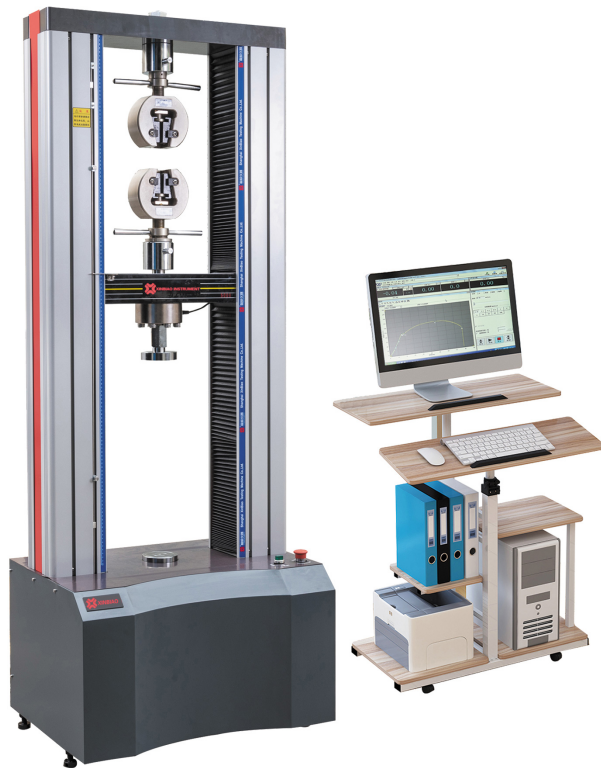
- 1 Loadframe is floor type, with high strength, low deformation, compact structure and beautiful appearance;
- 2 Adopt Circular Arc Profile Synchronous Belt Transmission, eliminate dual direction clearance;
- 3 Adopt Japansonic AC servo motor and driving system, ensure transmission and moment of force stable;
- 4 Adopt imported high accuracy ball leading screw, stable transmission.

Main specification:

Model	XBD4103	XBD4203	XBD4503	XBD4104	XBD4204	XBD4304	XBD4504
Max. Testing Force (KN)	1KN	2KN	5KN	10kN	20kN	30kN	50KN
Test accuracy	0.5 class						
Test force test arrange	0.4%~100%F·S(stepless)						
Large deformation measuring range	10-800mm						
Deformation measuring range	0.2%~100%FS						
Displacement resolution	0.04um						
Speed adjust range	0.001~500mm/min						
Range of force control rate adjustment	0.005~5%FS/S						
Deformation value relative error	≤±0.5%						
Dimension	750*520*1830mm(Can be customized)					750*520*1930mm	
Weight	300KG around					350KG around	
Power supply	AC220V±10%, 50Hz, 0.75KW						

XBD-5000

Computer Controlled Electronic Universal Testing Machine



Main Features:

- 1, Perform tension, compression, flexure/bending and shearing for specimens. Suitable for metal and nonmetal material, such as iron, steel, steel bar, rebar, rod, spring steel, wire, cable and so on.
- 2, Series computer controlled electronic UTM is dual space structure, tensile test executed at upper side of crosshead, compression and bending test executed at lower side of crosshead.
- 3, High stiffness of the leading screw and robust crosshead structure, maximum elimination the affection of loadframe deformation;
- 4, Matched with various test fixture, like peal, puncture, tear, pneumatic grip, belt tension etc., this UTM can be used to metal, non-metal, composite material like rubber, steel wire, plastic, seat belt, textile character test.
- 5, Standards: Comply with ISO, BS, ASTM, JIS standard and so on.

Measuring and control system:

- 1 Based on full digital STC300 measuring and control card;
- 2 Realize load, deformation, corsshead displacement, test process four kind close loop control;
- 3 Data collection system use 4 channel of high accuracy 24 digit A/D converter;
- 4 Resolution can upto 1/500000, full range without step;
- 5 Choose BB, AD, Xilinx etc. brand famous integrated components, fully digital design;

Main specification:

Model	XBD5105
Max. Testing Force (KN)	100KN
Structure	Four columns floor type (upper tensile, lower compression / upper compression, lower tensile)
Test accuracy	0.5 class
Test force test arrange(F·S)	0.4%~100%F·S(stepless)
Force Resolution	1/300,000 of Max. force, without step division
Deformation measuring range	0.2%~100%FS
Displacement resolution	0.04um
Speed adjust range	0.001~500mm/min
Range of force control rate adjustment	0.005~5%FS/S
Speed error	≤±0.5%
Effective tensile space	720mm (Contain the grip)
Effective compression space	720mm (Contain the grip)
Effective test width	400mm
Pressure plate diameter	110mm
Dimension	750*520*2055mm(Can be customized)
Weight	450KG around
Power supply	AC220V±10%,50Hz1.5kW



Loadframe structure and Driven type:

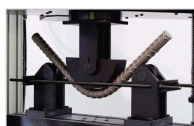
- 1 Loadframe is floor type, with high strength, low deformation, compact structure and beautiful appearance;
- 2 Adopt Circular Arc Profile Synchronous Belt Transmission, eliminate dual direction clearance;
- 3 Adopt Japansonic AC servo motor and driving system, ensure transmission and moment of force stable;
- 4 Adopt imported high accuracy ball leading screw, stable transmission.

Main specification:

Model	XBD5205	XBD5305
Max. Testing Force (KN)	200kN (can be extended)	300kN (can be extended)
Structure	Four columns floor type (upper tensile, lower compression / upper compression, lower tensile)	
Control method	Computer automatic control	
Test accuracy	0.5 calss/1 class	
Test force test arrange(F·S)	0.4%~100%FS/0.2%~100%FS	
Force Resolution	1/300,000 of Max. force, without step division	
Deformation measuring range	0.2%~100%FS	
Deformation value relative error	≤±0.5%	
Displacement resolution	0.04um	
Range of force control rate adjustment	0.005~5%FS/S	
Test force value relative error	≤±1%	
Speed adjust range	0.001~200mm/min	
Speed error	≤±1%	
Effective tensile space	600mm(Contain the grip)	
Effective compression space	600mm(Contain the grip)	
Effective compression space	1100mm (not include the grip)	
Effective test width	500mm	
Pressure plate diameter	100mm	
Dimension	950*980*2427mm(30t) (Can be customized)	
Weight	1350KG around	
Power supply	AC380V±10%,50Hz, 3KW	

XBY4000-S

Hydraulic Servo Computer Controlled Universal Testing Machine



Bending test of reinforcement



Tube expanding test



Tensile test for standards and fasteners



Conventional profile tensile test

Features:

XBY4000 series features manual hydraulic loading system and motor driving and a rugged four or six columns structure for rigid load frame. It has dual spaces for tension test and compression test or other tests (need corresponding grips) respectively. An adjustable lower crosshead quickly accommodates specimens of varying lengths. In the case of additional length of columns, the maximum testing space is adjustable to meet extra length specimens. Positive specimen holding is ensured by the wedge action of hydraulic operated grips.

The machine is equipped with manual valve to control force loading and has a force range from 200kN to 2000kN and maintains an accuracy of $\pm 1\%$ of displayed load from 2% to 100% of capacity.

The systems are in compliance with ASTM, ISO, and other equivalent international standards.

Main specification:

Model	XBY4205/4305-S	XBY4505/4605-S	XBY4106-S	XBY4206-S
Max. force	200/300KN	500/600KN	1000KN	2000KN
Number of Column	4	6	6	6
Accuracy Level	Class 0.5/1			
Force Range	1% - 100% of capacity			
Load indicating accuracy	1% of indicating			
Load Resolution	1/300,000 or better			
Displacement indicating accuracy	0.5% / 1.0% of indicating			
Displacement Resolution (mm)	0.013			
Deformation indicating accuracy	0.5% / 1.0% of indicating			
Clearance between Columns(mm)	405	430	430	640
Maximum Tension Space(mm)	520	710	760	920
Maximum compression space (mm)	520	700	700	750
Diameter of Round Specimens (mm)	10-32	10-40	15-55	15-70
Thickness of Flat Specimens (mm)	2-25	2-30	2-40	10-70
Diameter of Compression Platens(mm)	120	150	200*200(square)	240
Stroke of Piston (mm)	150	250	250	250
Position Speed	0-180	0-140	0-90	0-70
Dimension of Load Frame(L*W*H mm)	820*570*1955mm	940x650x2400mm	940x650x2400mm	1370*820*3300mm
Total Power (kW)	5	6	6	8
Weight	1500	2500	3500	8000

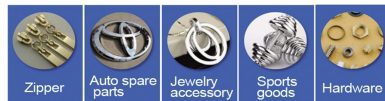
3S-1\1C\3\3C\4

Multi-function Electrolytic Thickness Gauge

Product Description

3S-1/1C/3/3C/4 Electrolytic Thickness Gauge is a metal plating electrolytic thickness gauge combined with the most advanced technology at home and abroad, with advanced structure, stable and reliable performance, complete features. Using this instrument can guarantee the product quality of the user and prevent the waste of raw materials energy. The use of this instrument can also help users find the best electroplating process for different requirements. It is the preferred instrument for finished products and electroplating factories.

APPLICATION



Technical Parameters

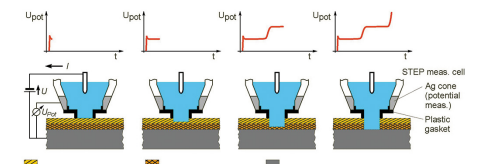
1. Single-layer measurement species : Nickel (0); Chromium (1); Copper (2); Zinc (3); Cadmium (4); Tin (5); Polynickel (6) silver (7); Jin(8); Copper/Zn (9); Chromium /T (10); Nickel, chemical nickel /Fe (11); Electroless plating, other coatings can be customized.
2. Alloy coating measurement : Pd-Sn, Cu-Zn, Zn-Ni, Ni-P, etc.
3. Multilayer plating measurement : Multilayer plating on ceramics, plastic, iron, aluminum and copper substrates
4. Effective measurement of thickness range : 0.03~300μm
5. Measurement accuracy : ±8%
6. Reproducibility : <3%
7. Electrolytic current accuracy : ±0.5%
8. Measuring surface diameter : Φ3.0mm; Φ2.5mm; Φ1.7mm;
9. Power supply : A C220±10%V; 0.7A; 50HZ/60HZ±0.5HZ; good and reliable grounding is required.
10. selective purchasing : AC115V, 100V, 120V, 230V, 240V
11. Use environment : Temperature: +10~+40°C; Relative humidity: not more than 85%; no strong corrosive gases and strong magnetic fields are required.
12. Weight of host : 6Kg
13. Dimension : 350×260×160mm (Length × width × height)

	Chromium
	Nickel
	Light Nickel
	High nickel sulfide
	Semifinished nickel
	Copper
	Substrate: iron, aluminum, plastic

It is possible to measure the thickness of metal coatings on almost all metal or nonmetal substrates, even multi-coating systems.

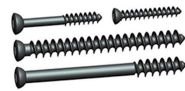
Main functions and features

1. This product adopts chips imported from the United States to process data, and has the advantages of ultra-high speed serial port, high speed A/D, precision, compatibility, anti-interference, long life, technical front end, etc.
2. Chinese and English interface switching, LCD display, high display quality, digital interface, small size, light weight, low power consumption, etc.
3. The thermal printer is permanently used without changing the ribbon. Micro-printing interface prints Chinese and English test report, print coating type, thickness, tester, date, internal clock perpetual calendar, no need to set each time.
4. Automatic pause measurement prompts replacement of electrolyte. To reduce measurement error.
5. Automatically calculate the average. Below 10microns is three decimal places, precision 1/1000.
6. Multi-layer plating can be measured, such as Cr/Ni/Cu/ plastic, the report can be printed at one time, without decomposition printing (unique).
7. By measuring more than 70 kinds of metal plating substrate combinations, the electrolytic thickness gauge can measure plating on planes and surfaces, measuring small parts, wires, and linear parts.
8. Removal coating speed adjustable from 0.3-40 μm/ minute.
9. The main machine of thickness gauge is compatible with desktop and notebook computers to achieve the best operation display. The software automatically captures accurate coating thickness curves with the machine.
10. Measure the thickness and potential difference of multiple layers of nickel: chromium/bright nickel/high sulfur nickel/semi-bright nickel/nickel seal /Cu/ plastic (as shown in the figure below), and measure the thickness and electrochemical potential of two or three layers of nickel coating. The high voltage resolution of et-3 electrolytic thickness measuring instrument can measure the potential between the top layer of microporous nickel or microcrack nickel and the bottom layer of bright nickel, as well as the potential between bright nickel and semi-bright nickel. (high nickel sulfide between bright and semi-bright nickel, if desired)



XBN-1000

Material Torsion Testing Machine



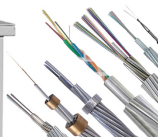
Bone Screw



Bolt and nut



Transmission gear



Cable

XBN1000 Electronic torsion testing machine is a new material testing machine combining electronic technology and mechanical transmission . It has wide and accurate loading speed and force measuring range ,high precision and sensitivity to load , deformation and displacement measurement , and can also be used for the automatic control test of uniform loading and uniform displacement.This series machine is mainly suitable for torsion test of metal material with torque less than 3000Nm.



Main functions:

This series testing machine is suitable for testing torsion performance of metal material, nonmetal material , composite material and component.The test and data can be provided according to GB/ t10128-1998 metal torsion test method at room temperature.

Application industry:

Metrological quality control; Metallurgical steel; Machinery manufacturing; Civil aviation; Institutions of higher learning ; Scientific research laboratory; Commodity inspection, arbitration and technical supervision departments; Building materials ceramics; Petrochemical industry;Other industries.

Technical parameters

Model	XBN-W10	XBN-W20	XBN-W50	XBN-W100	XBN-W200
	XBN-W500	XBN-W1000	XBN-W2000	XBN-W3000	XBN-W5000
Large torque	10Nm	20Nm	50Nm	100Nm	200Nm
	500Nm	1000Nm	2000Nm	3000Nm	5000Nm
Torque measurements range	2%-100%FS				
Testing machine grade	Class 1/Class 0.5				
Large distance between chuck	300mm		500mm		600mm
Diameter of parallel section	Φ6mm-φ20mm		Φ8mm-φ40mm		Φ10mm-φ60mm
Reverse speed	6°/min -720°/min				
Power source	220V ±10% 0.4kW		220V ±10% 0.75kW		380V ±10% 2kW
Machine dimensions(mm)	1200mm×350mm×1000mm		1450mm×450mm×1100mm		1700mm×510mm×1150mm
Machine weight	200kg		750kg		1500kg

XBZ-300A

Pendulum Impact Testing Machine For Metal



Main functions:

It is used for Charpy impact test of metal and the impact absorption work of metal sample is obtained.

Main features:

1. High-precision bearing is adopted, bearing friction is small, and the impact absorption work of empty pendulum is less than 0.3%.
2. The standard two-stage reducer is adopted to replace the complicated transmission system of the old pendulum, which has high efficiency and completely avoids transmission failure.
3. The pendulum hanging device adopts buffer design to avoid the impact of the pendulum hanging and the damage it may cause. The falling Angle of the pendulum is constant.
4. The pendulum shaft is supported by simply supported beam with simple structure and high machining accuracy.
5. The circular pendulum design effectively reduces the wind resistance. The impingement tool is installed with screw fastening wedge, which is easy to replace. High rigidity plug and swing bar, prevent the pendulum in the axial and radial vibration after the impact of the sample.
6. The pendulum testing machine USES industrial PLC control system to control the motion of the pendulum, high precision rotary encoder to obtain the real-time position of the pendulum, the system is stable, reliable, accurate data. (except pointer type)
7. Chinese text display can display the pendulum Angle and test results in real time, convenient input of various parameters, simple operation. (except pointer type)

Standards:

1. GB/T 3808-2002 inspection of pendulum impact testing machine
2. GB/T 229-2007 metal Charpy notch impact test method
3. JJG 145-2007 pendulum impact testing machine
4. ASTM E23-02a standard impact test method for notched specimens of metallic materials
5. ISO 148-1998 Metallic materials - Charpy pendulum impact test.

Application industry:

Metrological quality control; Metallurgical steel; Machinery manufacturing; Institutions of higher learning; Scientific research laboratory; Commodity inspection, arbitration and technical supervision departments; Other industries.

Original configuration:

1 set of host machine and 1 set of protective cover

Expandable configuration:

150J pendulum, 300J pendulum, 450J pendulum, low temperature device

Technical parameters:

1. Large impact energy: 150J, 300J, 450J
2. Pendulum moment (impact constant): 80.3848 N·m, 160.7695 N·m, 241.1543 N·m
3. The small Angle resolution: 0.1°
4. The pendulum early Yang Angle: 150°
5. The distance between the center of the pendulum and the impact point (sample center): 750mm
6. Impact speed: 5.2m/s
7. Span of sample support: 40mm
8. Radius of arc at the end of support: 2.5mm
9. The sample bearing supporting front Angle: 0°
10. Sample after bearing supporting surface inclination: 11° ± 1°
11. Impact cutter arc radius: 2-2.5mm
12. The impact knife Angle: 30°
13. Impact knife thickness: 16 mm
14. Sample size (length x width x height):
 - 55 * 10 * 10mm
 - 55 * 10 * 7.5 mm
 - 55 * 10 * 5 mm
15. Overall dimension (length x width x height): 1950×575×1460mm
16. Net weight of pendulum testing machine: 600 kg
17. Power: 800W
18. Power supply: AC three-phase five-wire 380V 10% 50Hz
19. Environmental conditions: the surrounding environment is free from corrosive media, vibration and strong electromagnetic interference.

YAW-4000

Computer Control Pressure Testing Machine



This series of testing machine is suitable for the compressive strength test of cement, concrete and rock. It can also be used in compression and upset tests of metals.

300kN/2000kN microcomputer control pressure testing machine, the use of worm gear and worm rise and fall to quickly adjust the test space, so that the test efficiency greatly improved. The machine has powerful closed-loop control function, constant stress control and load maintaining function. Imported servo valve is adopted for quick response and high control accuracy. Within the allowable range of the machine, the user can set the loading speed at will according to the requirements of the test. The load cell is used in the force measuring system, which can fully ensure the accuracy and reliability of the test. Imported low noise high-pressure oil pump can make the workplace have a quiet environment. The hydraulic system adopts air cooling device, which is suitable for continuous working for a long time. Multiple displacement (or deformation) measurement channels can be extended according to user requirements.

Main functions:

This series of testing machine is suitable for the compressive strength test of cement, concrete and rock. It can also be used in compression and upset tests of metals.

Standards:

Standard test method for room-temperature compression of metallic materials

Standard test method for mechanical properties of ordinary concrete

GB/T 50266-99 standard for engineering rock mass test methods

Program adopting open database structure, integrated the GB, ISO, ASTM, JIN, DIN testing methods and can customized according to special requirements.

Original configuration:

Compression clamp

Expandable configuration:

Concrete elastic modulus measuring device.

Application industry:

Metrological quality control; Machinery manufacturing; Electronic appliances; Automobile production; Institutions of higher learning; Research and testing institute; Commodity inspection, arbitration and technical supervision departments; Construction industry; Other industries.

Technical Parameter

Model	YAW4305	YAW4206
Max. force	300kN	2000kN
Accuracy Level	Class 1	
Force Range	1% - 100% of capacity	
Main Frame Structure	Integral cast iron	
Clearance between Columns(mm)	340	
Range between the working tables	350	
Up and down platen distance adjustment	Piston lift adjustment (large adjustment distance not greater than piston stroke)	
Press platen dimensions	Φ300mm x 260mm(can customized for 300x400mm)	
Stroke of Piston (mm)	50	
Piston displacement velocity (mm/min)	0-80mm/min	
Piston direction Control	One-way oil cylinder	
Dimension of Load Frame (L*W*H mm)	700×600×1350 Oil source size: 1300*900*1000mm	
Total Power (kW)	0.75	
Weight	Around 1100KG	

XBW-40

Double Station Steel Bar Bending Machine

Product Description

This machine adopts hydraulic cylinder drive , manual valve to control the direction of hydraulic cylinder action, easy operation, high efficiency , mainly is suitable for the construction of the hot rolled ribbed steel bar bending test, the raw material used to detect hot rolled ribbed bar and welded point bending capacity, is metallurgy, scientific research institutions, quality inspection departments and relevant enterprises to material performance test and research of commonly used equipment.



Technical Parameter

Model	XBW-40
Large thrust	160kN
Width between supporting rollers:	118 ~ 450 mm
The roller diameter	Φ100mm
Small reinforced diameter	Φ6mm
Big steel diameter	Φ 40 mm
Large bending Angle	180°
Oil cylinder diameter:	Φ110 mm
Piston stroke	360mm
Power	3000W
Overall dimensions	1450mm×950mm×1100mm
Weight	400kg around
Hydraulic oil volume	38L (user-supplied)
Hydraulic oil brand	L-hm46 hydraulic oil or equivalent hydraulic oil
Hydraulic system Working pressure	16MPa

XBZ - 60

Impact Test Cryogenic Apparatus

Application:

The machine is designed according to Charpy Notch Impact Test Method for Metal Material , and adopts compressor cooling technology

It utilizes the heat balance principle and cycle stirring method to realize the constant temperature cooling to impact specimen with the reliable performance.

Digital display, automatic control temperature, and it is the ideal equipment for cooling and keeping temperature to impact specimen.



Standards:

ASTM, E23-02a, En10045, ISO83, GB/T229-2009.

Main Specifications:

Model	XBZ-30	XBZ-40	XBZ-60	XBZ-80	XBZ-100
Temperature Range	Room temperature ~ - 30°C	Room temperature ~ - 40°C	Room temperature ~ - 60°C	Room temperature ~ - 80°C	Room temperature ~ - 100°C
Temperature Control Accuracy	<±0.5°C				
Digital Display Thermometer	Resolution 0.1°C				
Effective Work Space Of Cooling Trough	120×120×80mm				
Sample Quantity In The Cooling Trough	60 PCS (10×10×55mm)				
Digital Display Timer	1 s~99 min, Resolution 1s				
Cooling Medium	Ethanol Or Other Unfrozen Liquid				

Material Sample Making Equipment

QYJ-4201 Charpy Impact Specimen Notch Automatic Broaching Machine

Main functions:

Mainly used for processing metal pendulum charpy impact specimen notch.

Standard:

The sample notch meets the following standards:

1. ASTM E23-02a standard impact test method for notched specimens of metallic materials
2. DIN 50 115-1991, special sample size and fracture determination of metal material impact test, DVM sample.

Technical parameters:

Broaches 2 sets (type V2 1 set, type U2 1set)



XBT-50

Charpy Projector ASTM Standard with High Precision

XBT-50 Type Impact Specimen Gap Projector, based on the practical requirement of the domestic customers and according to the demand of impact specimen gap in GB/T229-2007 <Metallic materials-Charpy notch impact test> is the special equipment which checks the Charpy V-type and U-type gaps. The instrument magnifies impact specimen gap's outline and projects it onto screen to compare with standard sample drawing of the impact specimen V-type or U-type gaps. This helps to examine whether the tested impact specimen gap is qualified or not. It can meet the ASTM E23, EN 10045, ISO 148, ISO 83 and other international standards.

Main technical parameters

Diameter of the Screen: 200mm

Size of worktable

Size of square worktable: 110×125mm

Diameter of round worktable: 90mm

Diameter of working screen: 70mm

Journey of worktable

Longitude: ±10mm

Latitude: ±10mm

Rise and fall: ±12mm

Scope of Revolving of the worktable: 0° ~ 360°

Magnification of the instrument: 50X

Magnification of the object lens: 2.5X

Magnification of the objective lens for projection: 20X

Illuminant (Tungsten-halogen lamp): 12V 100W

Outline size: 515×224×603mm

Weight: 18Kg

Supply power: 220V 50Hz



XBZ-60C Automatic Erichsen Cupping Testing Machine Usage Cupping Penetration

This machine is mainly used to test the plastic deformation performance of metal sheet and strip. It is clamped by oil cylinder, and the cylinder is used to break the sample. Also equipped with a camera, video playback function can more accurately determine the moment of crack sudden value. This machine USES the microcomputer control whole test process, real-time dynamic display clamping load value, stamping load value, cup burst value, test speed and test curve, is the metal sheet and strip production enterprise, quality inspection unit, iron and steel research institute and other units commonly used equipment.

Technical parameters:

1. Thickness of standard test board is 0.1-2mm
2. Thickness of non-standard test plates is 0.1 ~ 3mm
3. Large plate width 100mm
4. Large stamping load of 60kN
5. Large clamping load of 25kN
6. Load accuracy ±1%
7. Deformation measurement accuracy ±1%
8. Stroke of large punch is 60mm
9. Clamping piston stroke is 50mm
- Punch 10. Standard specifications S Φ 20 + / - 0.05 mm
11. Specification S Φ non-standard punch 15 + / - 0.05 mm, S Φ 8 + / - 0.02 mm



XBZ-400 Manual Making Dot Machine For Steel Bar Tensile Test

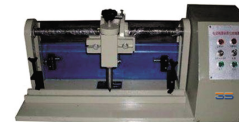
It is rotating 360 degree through a shaft with spiral bands, it can lift Punch, rising and declining vertically at different angles, dotting with the impact of elastic spring, the handle shaking one circle will make a straight line on the specimen, the space of 10 mm, a total of 40 points = 400 mm long. manual striking point machine/tensile specimen gauging meter.



XBZ-400D Electric Marking Machine For Tensile Test

Power-driven Gauge Length Meter (Power-driven Striking Point Machine) is the special equipment which is designed and made according to stipulation in national standard GB/T228-2002 <Metal material room temperature tensile testing method>. This machine adopts high-precision ball screw to locate correctly and uses import transducer to collect rotation signal to drive high-frequency electromagnet to strike point synchronously. Gauge length is correct, high-efficient and easy to operate. It's the necessary matching equipment for labs.

Max. gauge length: 300mm
Interval: 5mm or 10mm (adjustable)
Power source: 220V, 50Hz
Power of motor: 10W
Outline size (L×W×H): 460mm×315mm×450mm
Weight: 25Kg



CMWL-4106

Horizontal Universal Tensile Test Machine

Computer control Horizontal Tensile Testing Machine is suitable for tensile test of long material like wire rope, cable, nylon rope, sutators string and chain etc. It applies the full digital controller, servo control system along with the standard analytic software, so it can realize close loop control for load and displacement, digitally setting zero, \

Software/hardware digitally calibrating, protection, limit-position signal input, thus the machine posses user' programming function. It's widely used in some plants who produce longer materials.



Technical Specification of Horizontal Tensile Strength Machine:

Max test force	100kN, 300kN, 600kN, 1000kN, 2000kN, 3000kN, 5000kN
Range of test force:	2%- 100%
Accuracy of test force	Better than ±1% of indicating value
Resolution of displacement	0.01mm
Max piston stroke	1100mm (Can be customized)
Tensile Testing Space (not include piston stroke)	500-6000mm (Can be customized)
Testing Speed	0-80mm/min (can be customized)
Fast Pull Speed without load	≥200mm/min
The height of test center	350mm

MTY-1000P

Computer Control of Dynamic and Static Universal Fatigue Testing Machine

This computer control electro-hydraulic servo fatigue machine configuration digital electro - hydraulic servo fatigue test control system, intelligent self-diagnosis system, can regularly making a self-check of measurement system, servo drive system, fully guarantee the machine in any environment, state can long-term and stable, safe and reliable operation, no interference, an unmanned monitoring test, is a machinery manufacturing, aerospace, construction, building materials, ship transportation, technical supervision, commodity inspection, arbitration, industrial and mining enterprises, colleges and universities, research institutes and other departments ideal test equipment. S



Technical parameters

Model	MTY-10P	MTY-20P	MTY-50P	MTY-100P	MTY-200P	MTY-500P	MTY-1000P
The largest load	10kN	20kN	50kN	100kN	200kN	500kN	1000kN
The load range	10%,20%,50%,100%						
Static load relative value error	±1%						
Piston stroke	±50mm	±50mm	±50mm	±50mm	±75mm	±75mm	±75mm
Frequency range	0.001~40Hz						
The standard framework form	Double column, the actuator or double columns, actuator underneath					Four columns, on the actuator Or four columns, actuator underneath	
Test Waveform	Basic configuration		Sine wave, triangular wave and square wave				
	Extension configuration		Trapezoidal wave, oblique, block wave and random waves				
Test space(H×W)(mm)	450×350	450×350	500×500	500×600	600×600	750×600	750×700
Host dimension (L×W×H)(mm)	800×500×1800	800×500×1800	1000×650×2430	1130×730×2430	1150×750×2650	1250×850×2950	1350×1350×3250
Weight(kg)	800	800	1200	1500	1800	4000	7000