

UTS (A Series) Paper Testing Machines Catalog

A001A Automatic Corrugated Fibreboard Bursting Strength Tester

This tester is used for detecting the bursting strength and breaking index of paper. It is suitable for carton board, kraft paper, card paper, corrugated paper, grey board paper, etc.

Standards

TAPPI T810, TAPPI TT403, ISO-2759, GB/T 6545, QB/T 1057, GB 10739



A003A COBB Cobb Absorption Tester

To determine the water absorptiveness of sized paper and board, including corrugated fiberboard, under standard conditions.

It may not be suitable for paper of grammage less than 50g/m² or embossed paper. It is not suitable for porous papers such as newsprint or unsized papers such as blotting paper or other papers having a relatively high water absorptiveness for which ISO 8787 is more suitable.

This instrument is only capable of testing surface water absorption of paper and board. It is not applicable to exactly evaluate the writing performance of paper and board.

Test Principle

The sample was mounted on the testing machine, at a specified angle and frequency to lift shoes front palm bending which simulates human foot shoes walking state test, to determine fatigue resistance and service life for shoes .

Standards

ISO535 《Paper and board-Determination of water absorption-Cobb method》

GB/T1668 《Paper and board-Determination of water absorption-Cobb method》

GB/T1540 《Paper and board-Determination of water absorption-Cobb method》

TAPPI T441 《Water absorptiveness of sized(non-bibulous) paper, paperboard, and corrugated fiberboard(Cobb test)》



A003B COBB Absorption Cutter

This device is a necessary sampler of absorption test, it is an ideal test apparatus of the corrugated board and carton production, research and quality supervision, inspection and other departments.

It is suitable for short fiber thinner paper sampling.

Standards

GB/T 1671



A005A Internal Bonding Strength- Scott Type

To determine the internal bond strength for various paper and board materials according to TAPPI T 569.

Test Principle

The instrument design is based on a falling pendulum which creates a high speed impact on a paper specimen. The paper specimen is sandwiched between two double-coated tape substrates. The pendulum impact measures the total energy required to delaminate the internal fibers of a specimen in a “Z” type direction into two separate piles. The system also incorporates an automatic sample preparation station which allow five specimens to be accurately prepared simultaneously.

Standards

GB/T 26203 ,TAPPI T-569



A005B Internal Bond Cutter

This Paper board IBT Sample Cutter with width of 25.4mm is to get the required special sampling of internal bond test.

It is the ideal test apparatus of making paper, packaging and other industries of Quality Supervision, Inspection and departments supporting.

Standards

GB/T 1671 《General technical specification of special punching apparatus in paper and cardboard physical properties test》



A007B Paper Thickness Tester

Paper thickness tester is to test thickness of paper and board, test films, mica plate, etc .

Standards

GB/T 451.3 、 QB/T 1055 、 ISO 534、 GB/T 6547、 GB/T 24328.2



A008 Electronic Elmendorf Tearing Tester

To determine the tearing resistance strength (Elmendorf method) for various textiles. Also available for thick paper, plastic cloth and electrical insulating tapes.

Three interchangeable pendulums ranging from 16,000 to 64,000 Millinewtons (mN) can be selected separately for multiple test method compliance.

Standards

Textile:ASTM D1424, ISO13937-1, ISO4674-2, ISO9290, GB/T3917.1, DIN 53862, M&S P29, NF G07-149

Paper:ASTM D689, ISO 1974, TAPPI T414, BS 4468, CSA D9, GB/T455, APPITA P400, DIN 53128, EN 21974, JIS P8116, PAPTAC D9, SCAN P11, SNV 198482, UNI 644

Plastic:ASTM D1922, JIS K7128-2, GB/T11999, ISO6383-2
Non-woven ASTM D5734



A009 Paper Stiffness Tester

To detect the bending stiffness of paper and paper board Bending stiffness properties of sheet materials such as wood, graphite sheet and composite materials.

Standards

GB/T 2314, GB/T 2236, ISO 5628, ISO 2493



A009B Paper Bending Stiffness Tester

Bending stiffness tester is designed to test stiffness of all kinds of paper, cardboard stiffness . Using the latest test structure, convenient specimen clamping, one-button operation during the test, the instrument owned large LCD can visualize the entire testing process curve. It is ideal stiffness detection equipment for paper companies, packaging companies, quality inspection departments.

FEATURE

1. Microcomputer processing system, PVC control panel, large-screen LCD test curve

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- 2.7.5 ° and 15 ° stiffness test ,arbitrarily set between (1 to 90)
- 3.Test crease stiffness and paper stiffness
- 4.Test time can be set between (7.5 ~ 35) s
- 5.Test angle change controlled by the motor improve measurement efficiency
- 6.Bending stiffness tester with measurement statistics, printing functions
- 7.Return to the starting position after the test is complete



A010 Paper and Board Folding Tester

Paper folding tester is used to test folding time of paper, it can also be used to test other materials that need to have endure folding function, such as case board, craft paper, paperboard, corrugated paper grey paper.

Application Range

Various paper, case board, craft paper, paperboard, corrugated paper grey paper.

Standards

GB/T457,QB2679.5,ISO 5626



A013 Slice Materials Air Permeability Tester(Schopper method)

Air permeance tester is used to test air permeance performance of all kinds of slice materials, such as textiles, films, paper, nonwovens, filter materials ,and so on. this tester is control by single chip microcomputer, and can automatic work, is an advanced equipment for paper industry, textiles industry, and leader industry.

Standards

ISO 5636-3 : 1992



A014A Paper Tensile Strength Tester(Horizontal Type)

It is suitable for testing wet tensile strength, tensile strength, breaking elongation and tensile

energy absorption of paper, toilet paper and tissue paper. Widely used in paper mills, sanitary supplies factories, quality inspection institutions and other units.

Standards

QB/T 1053, GB/T 12914, ISO1924-2, TAPPI T494



A014B Paper Tensile Strength Tester

To determine tensile strength, peel strength, deformation rate, tear strength, puncture power, heat seal strength, low unwind force and other performance for paper, plastic films, bag, plastic products, laminated films and other sticky materials. Electric power tensile tester can be customized based on different test grips to meet various tension and compression tests. Rally stepless unique features to meet the speed requirements for different tests.

Standards

ASTM D 829 - 93, ISO 1924-1 : 1992, TCVN1862 : 2000, GB/T 12914 ,ISO 1924-2 ,TAPPI T494 pparatus)



A014B Paper tensile strength testing machine

This machine is suitable for testing the tensile strength, breaking elongation and absorption of tensile energy of paper and board and other similar sheet materials. The instrument adopts full automatic control mode, with large liquid crystal display and fast printer provided by the instrument. The whole experiment process is completed automatically. It is an ideal special test instrument for tensile strength.

Standards

QB/T 1053, GB/T 12914, ISO1924-2, TAPPI T494



A014C Sample Cutter for Tensile Tester

15 mm special sampler is a dedicated cutting tools for aluminum foil and copper foil paper, specialty paper, film, non-woven fabric, glass fiber cloth, textile, plastic board, etc which is less than 5 mm thickness of the sheet material standard samples.

The sample can be quickly and accurately cut into standard samples for tensile strength, folding test and so on.

Standards

GB/T457 QB2679.5 ISO 5626



A015B Crush Tester(Touch Screen Panel)

Crush tester is designed to test Ring Crush Test (RCT), Edge Crush Test (ECT), Flat Crush Test (FCT), Pin Adhesion Test(PAT) and Concora Medium Test(CMT). It's a basic equipment to test the crushing strength for various papers, including corrugated board, tubes, paper and plastics.

Standards

ISO 3035; ISO 3037; ISO 7263; TAPPI-T472; JIS-P8126; TAPPI T 822 OM - 93, TAPPI 811, TAPPI 839 OM-18

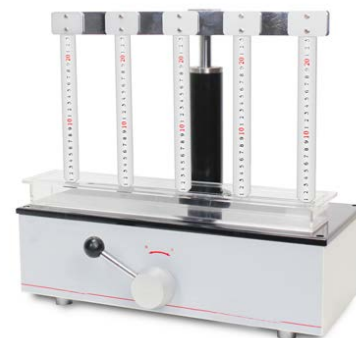


A016B Klemm Type Water Absorption Tester

Paper absorptiometer, also known as klemm tester, is suitable for the determination of the height of capillary suction of unsized paper and board. The instrument is mainly used for paper manufacturers and quality inspection organizations.

Standards

QB/T1662, GB/T 461.1, ISO8787



A017 Friction Tester

Friction Tester is used for test surface abrasion resistance for printing inks, PS version of the photosensitive layer, paper packaging, print, varnish and related products. Effective analysis

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problems like poor print rub resistance, ink layer falls off, PS version of the seal force low resistance issue, coating hardness etc..

Friction Tester adopt latest MCU control system, the user simply clamping sample to be tested, the instrument will automatically complete the whole test process. It can adjust CVT test speed and meet the requirements of different standards on the test speed. Friction tester is widely used in printing, packaging enterprises, general administration of quality supervision, inspection institutions and other units.

Standards

GB/T7706-2008 ,ASTMD5264



A018 Paper Ash Tester

To determine the ash content of the material.

Standards

ISO 2144 : 1987, ASTM D 586 - 92



D010A Drying oven/Incubator

D010A Incubator / drying oven is used to dry, bake and preheat various materials or specimen by hot air circulation method to uniform the temperature distribution. Provided for desiccation, torrefaction, wax-melting and sterilization in mining enterprises, laboratories and scientific research institutes.

Standards

Resistance to Perspiration: GB/ T 3922, AATCC 15, ISO105

Resistance to Sea Water: GB/ T5714, AATCC107, ISO105

Resistance to Water: GB/ T5713, AATCC106, ISO105

Assessment of migration of textile colours into polyvinyl chloride coatings: ISO105 X10



M018 Balance

To measure the weight.



M018A Circular Sample Cutter

GSM Sample round cutter is designed for cutting all kinds of textile, such as cotton, woolen, polyester, knitting, etc. It is also suitable for cutting leather, paper, paperboard and aluminum foil.

The instrument can quickly and accurately cut the standard area about 100 square centimeters, 5mm thickness.

Combine with electronic balance to use.

Cutting mat and spare blades are equipped.



AC01 Paper Box Compression Resistance Tester

UTS-AC01 Box compression strength tester is our intelligent tester for testing compression strength of boxes and cartons.

It is mainly suitable for all kinds of big size of corrugated cartons and other material packages which anti-pressure is less than 50KN. It is used for testing the whole box anti-pressure, and stacking pressure. So it is ideal testing equipment for paper-making, packaging, quality-inspecting department and so on.

With the functions of data-processing, display, memory, statistic, printing and compression curve display.

Standard

GB/T 4857.4 GB/T 4857.3 QB/T 1048
ISO 12408 ISO 2234



UTS-AC02 Case and Bag Double-Wing Drop Testing Machine

To test the damage caused by falling, and to evaluate the impact resistance during transportation and handling.

This machine can do free drop test on the surface, Angle and edge of the package, adopt

single column and double wing structure, with electronic drop and electric lifting device, easy to use;The precision machining greatly improves the service life, stability and safety of the machine.The wings are set to conveniently place the product.

Standards

QB/T2921-2007

UTS-AD12 Paper and Board Smoothness Tester(Bekk Method)

Bekk smoothness tester is used to test smoothness of paper and board, it is according to the international principle of Bekk method, it can be used for paper making company, printing company, quality supervision department, universities, and so on .

Standard

ISO 8791-2 : 1990, GB/T456, ISO 5627

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