

# 纺织实验室整体解决方案

TOTAL SOLUTION OF TEXTILE TESTING

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该仪器可精确测出毛或棉与人造纤维混纺样品中毛或棉含量的百分率。混合样品预先烘干并称重，溶解于自动控制剂量的化学药剂中。剩余组分再烘干、再称重。可调节预烘干、再烘干和溶解时间并显示出来。可预设程序控制空气干燥器温度和化学药剂槽温度。用户可设置附加程序。

Accurately determines the respective percentages of wool component or cotton component of blends of either wool or cotton with man-made fibres. A sample of the blend is pre-dried and weighed. The sample is then digested in chemicals appropriate to the blend. Dosing is automatically controlled. The remaining constituents are redried and reweighed. The duration of the predrying, redrying and digestion are adjustable via keypad and display. Air dryer temperature and chemical bath temperature are controlled by preset programs



#### 技术指标Techniques:

耗电量Electric Power Consumption: 3kw

外形尺寸Dimensions: 800×600×900mm(L×W×H)

标准Standards: GB/T2910-1997 BS 4407-1988 ISO 1833-1977

AATCC 20A-1995 JIS L 1030:2-1998 DIN54200-1974 KS K 0210-1993

#### CWF02

#### 马克隆值测试仪 Micronaire Value Tester

棉细度测试仪(马克隆值测试仪), 羊毛细度测试仪(IWTO测试法), 配有电子真空泵、精密压力表及样品室。

(Micronaire tester/ IWTO Test Method) complete with electronic vacuum pump, precision calibrated manometer and sample chamber

#### 技术指标Techniques:

马克隆值测量范围Measuring Range: 2.5-6.0

试样重量 Weight: 5±0.1g

外形尺寸 (长×宽×高) Dimensions: 280×160×560mm

货号Model: CWF02A 棉细度测试仪(马克隆值测试仪)

CWF02A Cotton Fineness Meter (Micronaire tester)

CWF02B 羊毛细度测试仪(IWTO测试法)

CWF02B Wool Fineness Meter (IWTO Test Method)

#### 标准Standards:

棉细度测试仪(马克隆值测试仪) ISO2403 Bs3181 ASTM D1448

COTTON (Micronaire tester) ISO2403 Bs3181 ASTM D1448

羊毛细度测试仪(IWTO测试法) ISO1136 Bs3183 ASTM D

1282A IWTO-6-90/28-89

WOOL (IWTO Test Method) IS1136 Bs3183 ASTM D1282A IWTO-6-90/28-89



#### CWF03

#### 自动纱支测试系统 The Electronic Yarn Count System

电子纱线支数检测系统由精密电子天平通过RS232双向接口及微型电脑连接而成。自动剔除异常数据, 具有掉电保护数据功能, 能保存50组测试数据。测试数据包括: 测试次数N、称重值Mass、号数Tex(或公支数Nm)、平均值AV、变异系数CV%值、不均匀率U%、最大值Max、最小值Min、总重量Sum、测试时间T。

Consists of an accurate electronic balance connected by RS232 Bi-Directional interface with a powerful miniature computer. Has the electricity protection data function, Can preserve 50 groups of test datas

The test data includes: Test number of times N, name heavy value Mass, serial number Tex (or male count Nm), mean value AV, the coefficient of variation CV% value, are not uniform rate U%, maximum value Max, minimum value Min, gross weight Sum, test time T.

#### 技术指标Techniques:

精度Precision: 1mg

量程Measuring Span: 210g

托盘直径Salver Diameter: 100mm

外形尺寸Dimensions: 343×217×307mm (L×W×H)

标准Standards: ISO2060/3801 BS 2010-2471

ASTM D1907/2646/3776 IWTO 22-82 IWSTM 13 BS EN ISO 2060





CWF04

电脑多功能纱线耐磨性能试验仪  
Computer Yarn Abrasion Tester

电脑多功能纱线耐磨性能试验仪主要适用于单纱，股线等纺织材料耐磨性能的测定。配上适当的附件后，还可以测定纺织器材的机械性能。

Computer-yarn wear-resistance test is mainly applied to yarn, thread and other textile materials of the wear-resistance collocate appropriate attachments, but also of textile equipment, mechanical properties.

技术指标Techniques:

- 1、测试试样数Sample Count : 20根Pcs
  - 2、磨擦方式Abrasive method : 匀速Even pace
  - 3、磨擦速度Abrasive Speed: 60/Min
  - 4、砝码重量Calibration Weight: 25CN, 30CN各20块 20pcs for each one
  - 5、磨料Abrasive filler: 砂纸Sand paper
- 外形尺寸Dimensions: 440×300×200mm (L×W×H)  
重量Weight : 约30kg  
货号Model:



CWF04A 液晶显示型纱线耐磨性能试验仪

CWF04A LCD Yarn Abrasion Tester

CWF04B 电脑控制型纱线耐磨性能试验仪

CWF04B Computer Yarn Abrasion Tester

符合标准Standards: FZ/T 01058-1999 (原ZBW04005-89)

CWF05

纱线测长机  
Wrap Reel Electronic

电动摇纱机，可制备特定长度及圈数的绞纱，为纱线支数和或强力测试之用。配有周长为1米、36英寸或54英寸的伸缩纱框（需注明）。配有筒子纱架及预张力装置、预置计数器等。同时试验管纱：1-6个。

To produce skeins of yarn of a pre-determined length and number of turns for count and/or strength testing. 1 Metre, 36" or 54" circumference collapsible swift (specify). Complete with yarn package stand and pre-tension device, fitted with pre-determined counter. At the same time experiments the cop: 1-6

技术指标Techniques:

1. 纱框转速Reel rotate speed : 25~300/Min(无级调速，数字设定，自动跟踪)
2. 纱锭间距Spindle Space between : 65cm
3. 绕纱圈数Winding cyclomatic number : 1~9999
4. 摇纱横向往复动程Reeling Reciprocate Range : 35mm±1mm
5. 摇纱张力Reeling Tension: 0~100cN

电源Power : AC220V 50HZ 80W

外形尺寸Dimensions: 780×660×480mm (L×W×H)

重量Weight : 50kg

标准Standards : GB/T4743-1995 ISO2060. BS 2010 ASTM D1907/2260 DIN 53830



CWF06

数字纱捻度仪  
Twist Tester Electronic.

可检测单纱或合股纱捻度，属扇臂捻度仪，适用于传统或无捻/复捻测试法。测试长度可达50cm（S&Z型捻）。纱线捻度仪采用微电脑控制和大屏幕液晶屏，支持中英文菜单随时切换，人机交互对话操作，具有断电数据保存功能，打印输出中文或英文报表。高精度滚动轴承支承的摆动片结合件转动更灵敏可靠等。

To determine yarn twist in single or plyed yarns, quadrant type with auto stop & reverse for conventional or untwist/re-twist methods. Test length adjustable up to 50cm/20 inches for S & Z twist yarns.

技术指标Techniques :

试验长度Testing Length : 25、50、100、200、250、500mm

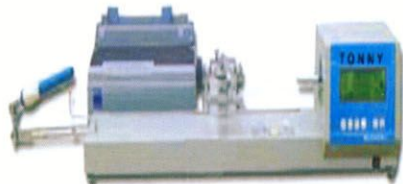
测量范围(捻)Testing Range: 1~9999.9

外形尺寸Dimensions: 1070×240×200mm (L×W×H)

电源Power: AC220V, 20W AC220V, 20W

标准Standards: GB/T2543.1.2, 14345; FZ/T10001; ISO2061;

BS2085; ASTM D1422/1423; JIS L1095 DIN 53832 IWTO 25-70





CWF07

## 摇黑板机 Yarn Examining Machine

纱线检验机,将带性纱线按一定纱线密度缠绕中在方形的黑板上,评定棉、化纤、混纺、毛、麻等纱线摇黑板法的外观质量。

Wind yarns on the square black board in a certain density. Estimate the appearance quality of cotton, chemical fiber, blended fabric, wool yarn. 技术指标Parameter

- 1、黑板规格Black board dimension: 250×180×2.5mm; 250×220×2.5mm
  - 3、预张力方式Pre-tension: 分级压重片压重法 (pressure in classification)
  - 4、黑板转速Rotate speed: 200~400r/min无级可调
  - 5、整机功率Power: ≤50W
  - 6、电源Power resource:Ac220V 50Hz
  - 7、外形尺寸Appearance dimension:720×480×250mm (L×W×H)
- 标准Standard: GB9996-1988、ASTMD2255



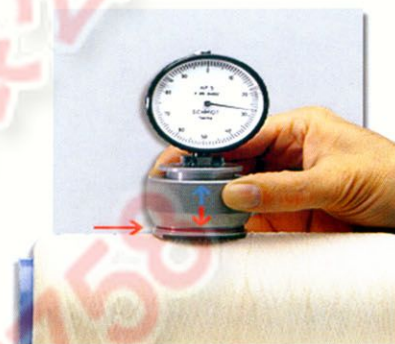
CWF09

## 机械式筒子纱线密度计 Mechanical Yarn Package Density Tester

机械式筒子纱密度计,可检测纱筒、纱束或织物的密度,模拟标尺刻度0-100,并配有5mm直径的压针及装配盒。

To measure the hardness of yarn cones or beams of yarn or fabric. Analogue scale from 0-100 with 5mm diameter indenter (supplied in fitted box).

外形尺寸Dimension: 160×100×75 mm (L×W×H)  
重量Weight:1kg



CWF11

## 油脂快速萃取仪 Rapid Oil Extraction Apparatus

15min内迅速测定油份、羊毛、润滑剂和纺丝油剂的含量。非常适合过程控制。简便、精巧、结实、高效。被世界上化纤制造领导厂商选用。适合用于各种天然纤维及化学纤维。国家纺织界流行的油脂和油剂含量快速分析仪器。WLRA 测试方法比Soxhlet whilst测试方法要快的多。本方法适用于纤维粗疏条子、纱线及类似材料的样品。

To determine the oil or finish content of wool or synthetic samples by solvent percolation and evaporation. Suitable for fibre, yarn or fabric.

外形尺寸Dimensions: 500×145×340mm (L×W×H)  
重量Weight: 30kg  
标准Standards: WIRA Test Method NO5: 1989



CWF12

## 熔点仪 Melting point Tester

用于测试化纤、聚酯切片、药粉等物体的熔点(深色不透光物体除外)

For testing chemical fiber, polyester chip, powder, and other objects of the melting point (except for dark opacity objects)

技术指标Techniques:

熔点测试范围Melting testing Range : 50~350℃  
测量误差Measuring inaccuracy: <0.5℃  
最小温度读数Least Temperature Count: 0.1℃  
升温速度Heating up Speed : 2,3,4,5℃/min





## CWF13

## 快速纤维细度分析系统 Quick Fiber Fineness Element Analysis System

快速纤维成分纤维分析系统是 专为广大纺织品检测人员量身定做的进行纤维成分分析和细度测试的 高科技产品，是国内第一款由纺织品检测专家亲自研制造开发的具有纤维识别功能的软件产品。

This instrument is personally designed for the textile inspector specially, and applied for the invention patent. In order to realize the high efficiency fibre analysis Uses the micro imagery processing and the recognition technology, recognized the textile fiber and the degree of fineness automatically.

CWF13系列纤维细度分析仪是新型人机交互式纤维直径测量分析仪。该仪器通过高分辨率的工业摄像机将光学显微镜与计算机相连，依靠专业的分析软件完成纤维直径和截面积的测试等工作，并可测量出混纺纤维中各纤维的含量。

The apparatus Can automatically realize the data input and output, Can be also designed software according to the different profession request.

标准Standards: GB/T 10685-1989 GB/T 116988-1997  
FZ/T30003-2000 SN/T0756-1999ATCC 20A-1995



## CWF14

## 全自动羽绒蓬松度测试仪 Automatic Fluffy Feather Puff Extent Tester

(专利产品Patented Product)

全自动羽绒蓬松度测试仪采用单片机控制对测试流程进行自动控制，只需将样品放入测试筒中，启动仪器，10分钟左右直接从打印系统中得除测试结果。系统采用精密的步进马达，对准确测试量羽毛的体积具有决定性的作用，其采用的吹风系统，保障羽绒处于均匀状态，使每次测量的数据有较好的重现性，操作方面，可以任意设定吹风时间，测试次数，独特的过滤系统设计，确保羽毛不会乱飞，污染环境。

Fluffy feathers of automatic test instrument used to test MCU control processes control, simply add to test tube samples, the launch apparatus, about 10 minutes directly from the printing system in addition to test results. The system uses sophisticated stepper motor, accurate testing of feathers on the size of the decisive role, and its use of the briefing system to protect hair down at a uniform state, so that each time the measurement data have better reproducibility, the operation , Can be set briefing time, the number of tests, unique filtering system designed to ensure that no feathers flying, pollution of the environment.

技术指标Techniques:

测量圆筒Testing Cylinder: 直径Diameter (大筒Large Cylinder) 288mm;  
(小筒Small Cylinder) 244mm

高度Height: 500mm

充入试样量Filling in the sample: 30g ( $\pm 0.1$ g)

重量盘Weight: 直径Diameter (大筒Large Cylinder) 284mm;  
(小筒Small Cylinder) 239mm

材料Material: 有机玻璃Synthetic Glass

负荷重burthen Weight: 94.25g (塑料plastics) ; 68.4g (铝aluminum)

压强Intensity of pressure : 0.149g/cm<sup>2</sup>

吹松样品: 吹入空气量30L Insufflate Air 30L

标准Standards : IDFB-FP GB/T10288-2003





褶皱回复性能测试仪及负载装置,可检测织物的回复性,依据特定的测试方法(BS、ISO、AATCC),将织物在一定的负载装置下压折一定时间后,释放织物并转移至试样夹,使织物自由回复并记录回复角。该仪器通过测量折皱恢复角而决定样品对水平折痕的恢复性能,特别适用于容易起折痕的织物类型,如纤维素的和其它机织品。

Crease Recovery Tester & Loading Device, To determine recovery properties of fabrics by creasing in a loading device for a predetermined time using a weight suitable for the test method specified (BS, ISO, AATCC), After transferring the specimen to the clamp of the tester, the specimen is allowed to recover and the angle of recovery recorded.

外形尺寸Dimensions: 170×170×360mm (L×W×H)

标准Standards: ISO 2313, BS EN 22313, M&S P22, AATCC 66



织物硬挺度测试仪,可通过简单操作及计算测出织物的弯曲高度、弯曲刚度、弯曲模量。

Fabric Stiffness Tester. To determine the bending height, flexural rigidity and bending modulus of fabric by simple procedures and calculation

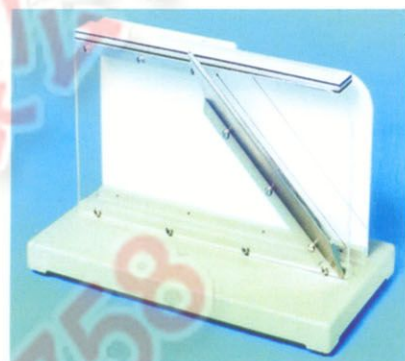
技术指标 Techniques:

倾斜角度 Tilt angle: 41.5°

尺寸 Dimensions: 350×150×200mm (L×W×H)

重量 Weight: 3kg

标准 Standards: ERT 50-2 ASTM D1388 BS 3356 DIN53362



数字式气动硬挺度测试仪,依据ASTM循环弯曲测试方法来检测织物的硬挺度。

标准直径的活塞,在一定高度,时间内将织物推进标准直径的测试孔中,并记录最大推力。本机配有气动活塞、控制器及电池驱动数字式推力表: 50kgf、500N或100LB (可转换)。要求使用实验室标准压缩空气。

Digital aerodynamic Stiffness Tester, the bending cycle based on ASTM test method to detect fabric softness. Standard diameter of the piston, to a certain height, time to promote the standard fabric diameter test holes, and recorded the biggest thrust.

The plane is equipped with pneumatic piston, controller and battery-driven digital thrust table: 50kgf, 500N or 100lb (convertible).

Laboratory standards require the use of compressed air.

外形尺寸Dimensions: 500×500×600mm(L×W×H)

标准Standard: ASTM D 4032



在试验室条件下,评定织物以摩擦形式带电荷后的静电特性

In laboratory conditions, the fabric to be in the form of friction with the electrostatic charge of

技术指标 Techniques:

1、静电电荷测定范围: 0-2μC

2、摩擦布为锦纶或晴纶,尺寸为: 400mm×450mm

3、试样按经、纬向各三块,试样尺寸为: 250mm×350mm

1、The scope of electrostatic charge: 0-2μC

2、Friction nylon or acrylic fabrics for, the size: 400 mm×450mm

3、according to sample After, to the three-wai, the sample size: 250 mm×350mm

标准Standards: FZ/T01060-1999 (ZBW4008-89) 《织物摩擦带电荷密度测定方法》





CWG03B

织物感应静电测试仪  
Fabric Electrostatic Induction Tester

适用于测定纤维、纱线、织物、地毯、装饰织物和其它各种织物或各种板状制品的静电性能。

Applicable to the determination of fiber, yarn, fabrics, carpets, Decorative Fabrics and other fabric or various varieties plate electrostatic properties of the finished products

- 1、静电电压值的测量范围 Electrostatic Measuring Range: 0~10KV
- 2、半衰期时限: 0~10000±1秒
- 3、转盘转速Turnplate Speed: 1500/Min
- 4、试样尺寸Sample Diameter: 60mm×80mm三块
- 5、外形尺寸Dimensions : 650×380×420mm(L×W×H)
- 6、电 源Power : AC220V 50HZ 1.5KW
- 7、重 量Weight: 40Kg



CWG04

含湿量分析仪  
Moisture analyzer

测量精度卓越，最高可达0.001g/0.01%水份含量。以卤素灯为加热源，升温迅速，加热均匀。智能化软件，人性化键盘布局与大而清晰的背亮式液晶显示屏，使操作过程更加简单直观，体积小，适应性强，在工业与实验室等应用场合中节省空间。

Excellent measurement accuracy up to .001g/0.01 0% moisture content. Halogen Lamp as a heating source, warming rapidly and uniform heating. Intelligent software, humanized keyboard layout with large and clear back-LCD display so that the operators process more simple, and compact, strong adaptability and in the industrial and laboratory applications, such as space savings.

- 量程Moisture range: 35g/45g  
可读性Precision: 0.001%/0.01g  
标准偏差Error: ±0.05%  
水份范围Moisture range: 0.01% ~100%  
温度范围Temperature range: 50℃至200℃ (间隔1℃)  
显示内容Display content: %水分(moisture), %固体(solid), 时间(time), 温度(temperature), 重量(weight), 编号(number), 干燥曲线(dry curve)。



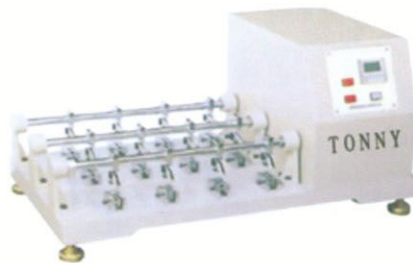
CWG05

耐挠曲性测试仪  
Resistance Flexing Tester

试片之一端表面作为内侧，另一端表面作为外侧，反复弯折至试片损伤时记录弯折次数。本机适用于鞋面、衣料、袋类等薄物皮革。

One of the specimen surface as the inner side, the other side as the outer surface, reciprocating bend it, until it is injured and record the bending number. This machine applies to leather and fabrics etc..

- 技术指标Techniques:  
夹具Clamp: A12, B15  
弯折角度Bending angle: 22.5Degree  
计数器Counter: 数显显示digital, 0-999999 (6digits)  
电源Power: 220V 3A  
外形尺寸Dimensions: 645×520×340mm (L×W×H)  
重量Weight: 60kg  
标准Standards: BS-3144, JIS-K6545



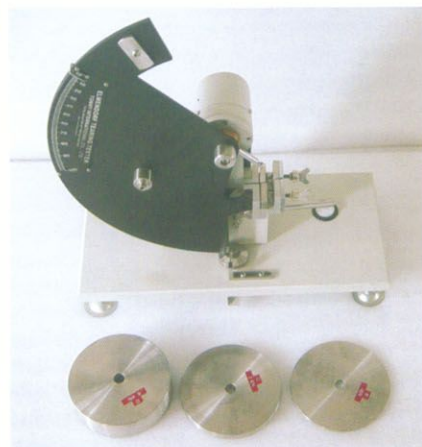
CWG06

Elmendorf 撕破强力机  
Elmendorf Tearing Tester

Elmendorf撕破强度测试仪，用于检测纺织品、纸或板材的冲击撕破强力，可检测800-64000CN冲击力下的强度，冲击力与特定落锤相对应。

Elmendorf Tearing Tester. to determine the ballistic tearing strength of textiles, paper or board. Range from 8000 to 64000 Millinewtons with suitable pendulum

- 技术指标Techniques:  
外形尺寸Dimensions: 480×230×500mm(L×W×H)  
重量Weight: 30kg  
附件Accessories:  
A型落锤 A drop hammer: 0-16N B型落锤 B drop hammer: 0-32N  
C型落锤 C drop hammer: 0-64N  
取样模板Sample template: 100mm×75mm  
标准Standards: BSEN ISO 13937 DIN 53862/53168 ASTM D1424, D5734 AFNOR G07-149 NEXT17 INDA IST 100.1 BS4253/4468 ISO1974,9290 BS3424





摆锤由微处理器控制，坠落于样品表面，可以测得织物、塑料、纸张、板材的撕破强力。  
A microprocessor controlled falling-pendulum instrument to determine the ballistic tearing strength of textiles, plastics, paper or board.

#### 技术指标Techniques:

撕破测试结果显示在16位LCD上显示，可选单位包括：MN、CN、N、G、KG、OZ、LB。同时显示测试样品次数和所用的重锤。安全插销在测试开始和结束时锁住重锤。

Tearing strength in selectable unit MN, CN, G KG, OZ, LB is displayed on an integral 16 character LCD at the end of each test. The display also shows the number of samples (plies) and the pendulum being used. Start and stop safety solenoids hold the pendulum at the beginning and end of each test.

取样模块Sample template: 100mm×75mm

外形尺寸Dimensions: 450×390×350mm (L×W×H)

重量Weight: 35kg

附件Accessories:

800cN/g [1.75lb] 1600cN/g [2.5lb]

3200cN/g [7.0lb] 6400cN/g [14.0lb]

标准Standards: BSEN ISO 13937 DIN 53862/53168 ASTM D1424,

D5734 AFNOR G07-149 NEXT17 INDA IST 100.1 BS4253/4468

ISO1974,9290 BS3424



AATCC折皱回复性测试仪，可检测试样在一定负荷下折压一定时间后的回复能力。  
本仪器提供全套5英寸×3英寸塑料板，便于评级（1-5级）。

AATCC Wrinkle Recovery Tester. To determine a fabric's ability to recover after wrinkling under a pre-determined load for a set period of time.

Provided with a set of 5" x 3" dimensional plastic replicas to grade fabrics 1-5.

#### 技术指标Techniques:

外形尺寸Dimensions: 150×150×330mm (L×W×H)

重量Weight: 5kg

选购件Order Options:

AATCC折皱回复性测试仪塑料板（5个/套）

Accessory: AATCC Wrinkle Recovery Tester Plastic Replicas (Set of 5)

标准Standards: AATCC 128 ISO 9867 ENKA 3061



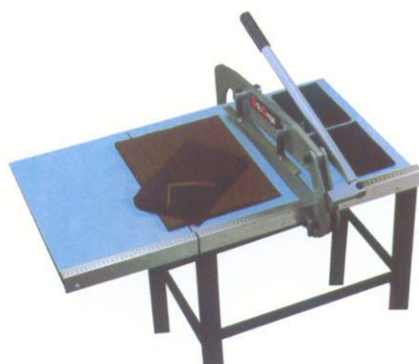
本仪器采用进口合金钢刀，锋利耐用，瑞士技术，坚固构造。专为高效率样品裁切使用，可以对单层或者多层样品进行齿边或直边切裁，并设有量尺及安全保护装置。超长裁刀，操作简单、安全，裁切迅速、省时省力。

Manual Sample & Pattern Cutter. For the pinking or straight edge cutting of patterns and samples in single layer or multiple layers. equipped with a scale and a safety device.

#### 技术指标Techniques:

裁切高度（半宽）Cut thickness: 45mm

净重Weight: 85kg



F450型布料裁切刀，广泛应用于棉、毛、丝、麻化纤等各类纺织、针织品的裁切，并适于制作各种形式的样品卡、色卡、吊卡，西裤的裤脚切边，以及皮革、礼品行业加工牙边制品等等。

Electric Sample & Pattern Cutter is widely applied for cotton, wool, silk, chemical fiber, and other fabrics or aircraft fabrics. It is also suitable for cutting various sample cards, colour cards, trousers edges, leather, and gifts etc..

#### 技术指标Techniques:

CWG10-1

裁切长度Cutting Length: 450mm

齿距Tooth Distance: 4 ~ 5mm

可裁深度Cutting depth: 12mm

重量Weight: 14kg

外形尺寸Dimensions: 600×650×750mm (L×W×H)

CWG10-2

550mm

4 ~ 5mm

12mm

17kg

600×750×750mm (L×W×H)





适用于多种纺织物，包括产业用织物、非织造布等纺织制品和其它可透气材料的透气性能的测定。

Electric permeability tester can detect knitting, woven fabric, non-woven fabrics and other textile materials in certain pressure on the permeability properties

技术指标Techniques:

- 1、压力量程Pressure range: 10~1000Pa自设定压降 Automatic pressure drop
  - 2、可测透气率Ventilation rate: 20~3000mm/s
  - 3、测量误差Measure error:  $\leq \pm 2\%$
  - 4、可测织物厚度Thickness of fabric:  $\leq 8\text{mm}$
  - 5、吸风量调节: 数据反馈动态调节 Suction volume adjustment: data feedback dynamic regulation
  - 6、试样面积定值圈Sample size:  $5\text{cm}^2$ ;  $20\text{cm}^2$ ;  $50\text{cm}^2$ ;  $100\text{cm}^2$ ;
  - 7、喷嘴Nozzle: 共8只 (根据测试结果自动切换According to testing result for Automatic Change)
  - 8、数据输出Data output: 中文液晶显示LCD触摸屏( LCD Touch Screen )
  - 9、电源Power Source: AC 220V $\pm$ 10V 50HZ
  - 10、功耗Power: 2000W
  - 13、外形尺寸Dimensions: 900 $\times$ 600 $\times$ 1300mm (L $\times$ W $\times$ H)
  - 14、重量Weight: 70kg
- 标准Standards: BS 5636 JIS L 1096A DIN 53887 EDANA 140.1  
ASTM D737 AFNOR G07-111 TAPPI T ASTM D3574 EN ISO 9237



本机使粘扣带 (魔术贴带) 反复剥离与贴合一定次数后, 将试件裁成75\*20mm, 然后以滚轮本身的重量辗压试件, 使之均匀贴合, 再以另购的拉力试验机, 测定其粘合力 (AS) 与粘合强度 (PA)。

Through the apparatus to achieve Velcro (hook & loop) to repeated stripping and peeling After a certain times .Cut the sample into 75\*20mm with press it with the wheel to be fitted completely.use tensile machine (another purchase) to measure its peeling strength (AS) and shear strength (PA)

技术指标Techniques:

- 轮转速Cycle speed: 0-100r/min  
荷重Loading: 5kg  
计数器Counter: LCD液晶显示, 0-999, 999  
电源Power: 1 $\phi$ , AC220V, 5A  
外形尺寸Volume: 450 $\times$ 550 $\times$ 570mm (L $\times$ W $\times$ H)  
重量Weight: 50kg  
标准Standard: DIN-3415, SATRA Pm 123



织物伸长计, 可简单、经济地检测针织及机织物的拉伸及回复性能。本仪器配有带试样的负荷架、螺旋张力装置, 2个3kg的砝码及裁样模板。

To simply and economically determine the stretch and recovery of textile fabrics, both knitted and woven. The apparatus consists of a loading frame with clamps and a screw tensioning device, two 3kg loading weights and sample cutting templates.

技术指标Techniques:

- 测试负载(可定做 Could made to order )Testing Load: 3kg/6kg  
测试时间Testing Time: 10 $\pm$ 3S  
外形尺寸Dimensions: 580 $\times$ 160 $\times$ 120mm (L $\times$ W $\times$ H)  
仪器重量Weight: 15kg  
标准Standards: BS 4294



通过1.129英寸 (28.7mm) 直径的压脚向试样施加最小负荷, 可以精准地测量出软材料的厚度。厚度计的量程可达1/2英寸 (13mm) 或1英寸 (25mm), 分辨率为0.001英寸 (0.01mm)。配有1个负载砝码, 可提供0.6psi (4.14KPA)。也可按要求提供其它配置。



An inexpensive and accurate soft material thickness tester with counter balance designed to exert minimal load on sample through 1.129 in (28.7mm) diameter presser foot. Digital display of thickness up to 1in (25mm) with a resolution of .001in (.02mm). Supplied with a loading weight to provide a load of 0.6psi (4.14KPA). Other configurations available on application.

技术指标Techniques:

底座直径Base diameter: 150mm

压脚直径Press foot diameter: 28.7mm (1.13in)

厚度测试范围Thickness range: 0.01~25mm

精度Precisions: 0.01mm

CWG14A数字式织物厚度计, 厚度测试范围0.01-25.00mm。

CWG14B指针式织物厚度计, 厚度测试范围0.01-25.00mm。

CWG14A Digital Thickness Gauge with the measure range of 0.01-25.00mm.

CWG14B Finger Thickness Gauge with the measure range of 0.01-25.00mm.

标准Standard: ASTM D1777



指针式织物厚度计



数字式织物厚度计

CWG15A

### 织物柔软度测试仪 Fabric Softness Tester

适用于测定织物、领衬布、无纺布、人造革的刚柔性能, 以及尼龙、塑料线等非金属材料的柔软度的测定。

Applied to the softness test of fabrics, lining cloth, non-woven fabrics, man-made leather, and also can detect the flexibility of nylon, plastic line, and other non-metallic materials

仪器特征: 1.以格莱式柔软度仪的测试方法为基础, 对试样施加一定的机械外力, 测量其变形量  
2.仪器结构简单, 使用维修方便

技术指标Techniques:

1、样架摆动速度Swing speed:  $W=2\pi/\min$

2、试样尺寸Sample dimension: 20mm×100mm

3、最大摆动角Swing angle:  $<\pm 45^\circ$

4、砝码重Calibration Weights: 1、2、3、4、5、8、20g

5、砝码槽中心距Center distance of weight slot:  $r_1=50mm$   $r_2=100mm$

6、工作电源Power: AC220V 50Hz 30W

外形尺寸Dimensions: 400×400×500mm(L×W×H)

重量Weight: 8kg

专业标准(部标准) Standard: ZBW04002-86、5、52



CWG15B

### 皮革柔软度测试仪 Softness Tester

本测试仪专门用于量测皮革、兽皮之软度, 以了解同一批或同一包装中之皮革的软硬度是否均匀, 亦可检验单件皮革各部位之软度差异性。

Soft tester specifically for the leather and textile fabrics and other soft fabric soft-test design. Will be caught in the matrix material known aperture test hole and then through the smaller aperture load will be imposed on certain fabrics, Calibration to read pointer deflection degree.

CWG15A: 指针式柔软度测试仪 CWG15A Pointer soft tester

CWG15B: 数字式柔软度测试仪 CWG15B Digital soft tester

技术指标Techniques:

外形尺寸Dimensions: 500×100×250mm(L×W×H)

重量Weight: 5.5kg

标准Standards: IULTCS.IUP 136



CWG16

### 排汗导湿性测试仪 Perspiration Moist Tester

本仪器模拟皮肤和与之紧贴的服装之间热量和湿气的传递过程, 用以定量测量不同面料(或服装)的热阻与湿阻。

Simulate heat and sweat delivery between the skin and the clothing, to measure the hot and wet resistance of different materials.

适用标准Standards: ISO11092、ASTM D 1868





用于测定各种织物的悬垂性指标：悬垂系数、活泼率、织物曲面波纹数和美感系数。

To test the overhanging capability of all kinds of fabrics, include overhanging factor, lively rate, corrugated surface of the fabric

技术指标Techniques:

- 1、悬垂系数Overhanging factor (F) :  $0 \sim 100\% \pm 5$
  - 2、活泼率lively rate (LP) :  $0 \sim 100\% \pm 2$
  - 3、悬垂曲面波纹数Corrugated ripples (N)
  - 4、测试速度Testing speed: 6r . p . m(静态static) 24r . p . m(动态dynamic) (也可根据需要调节can be adjusted)
  - 5、图像采集用CCD Adopt CCD to gather images
  - 6、图像输出:可输出表示织物悬垂性的投影图和曲线图
- Maps output: projection maps and curve photos of fabric overhanging  
标准Standard: FZ/T 01045-1996 《织物悬垂性试验方法》



本刷式起毛起球测试仪模拟穿着和正常使用条件下织物的起球或起毛性能，可用于包括机织物和针织物在内的服装和汽车内饰用材料。6个测试头，方法是以圆轨迹刷磨2块相同的样品。测试样需用起球评级视镜、灯箱或类似箱内与标准起球图片比较评级。

Brush Pilling ball wear tester simulation and under normal conditions of use fabric pilling or pilling properties, can be used include Woven and knitted fabrics, garments and automotive interiors materials. The first six tests, the method is based on the circular trajectory brush grinding two identical samples. Test samples required Pilling rating endoscopy, bollards, or similar box with the ball with the standard picture comparison rating.

技术指标Techniques:

平板带有聚氨酯泡沫表面 The plate including Polyurethane foam  
圆型样品夹头Circle sample clamp: 660g, 软泡沫橡胶表面soft foam plastic surface  
起球幅度Pilling range: 19mm

尼龙刷Nylon brush (高High): 25.4mm

方形样品: 夹头6个, 橡胶边夹具, 砂纸背面Consist of square sample, 6 chunks, rubber edge grips, sandpaper.

旋转速度Rotation speed: 58 r/min

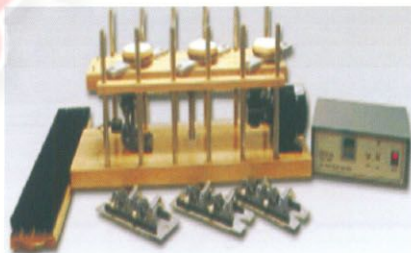
海绵体Sponge dimension: 尺寸 $51 \times 102 \times 152$  mm

旋转计数电子Rotation counter: 999999

电 源Power: 220 V/50 Hz

外形尺寸Dimensions:  $914 \times 305 \times 381$  mm(L×W×H)

标准Standards: FORD BN-108-03 GM 9652P ASTM D 3511



用于快速检测织物在正常穿着条件下产生勾丝现象的难易程度（即将纱线从织物中勾出）

ICI Mace Snag Tester. To rapidly determine the tendency of fabrics to snag, (pull yarn loops from the fabric) in normal wear.

技术指标Techniques:

钉锤勾直径Mace Snag Diameter: 31.8mm

钉锤重量Mace Weight: 135g

钉锤突出长度Mace Prominent length: 9.5mm

转速Rotation Speed:  $60 \pm 2$  rpm

附件Accessories:

碳化钨钢针1包(12根/包) Tungsten Carbide Points (Pack of 12)

毛毡1包 (4个/包) Felt Sleeves (Pack of 4)

参照勾丝图卡1套Snagging Photographs/Set

评级箱 1个Viewing Cabinet /pc

式样架数: 4个 Pattern Frame 4pcs

外形尺寸Dimensions:  $922 \times 450 \times 400$  mm(L×W×H)

重 量weight: 约60公斤

标准Standards: ASTM D3939 GB 11407





用途：本仪器用快速检测模拟正常穿着条件下一定时间内织物起毛起球的情况。

A universal pilling and snagging tester drive system with 2 or 4 positions to rapidly replicate pilling or snagging on fabrics in a fraction of the time due to normal wear.

技术指标Techniques:

转速Rotating Speed:  $60 \pm 2$  rpm

控制方式Control Mode: 单片机控制Singlechip Control, 液晶显示LCD Display

试验箱规格Testing Box Specification:  $235 \times 235 \times 235$  mm

取样模板Sample Template:  $125 \times 125$  mm

外形尺寸Dimensions:  $875 \times 430 \times 350$  mm (L×W×H)

重量Weight: 40kg

附件Accessories:

PU固样管 1套 (4个/套) Polyurethane sample tubes : Set of 4

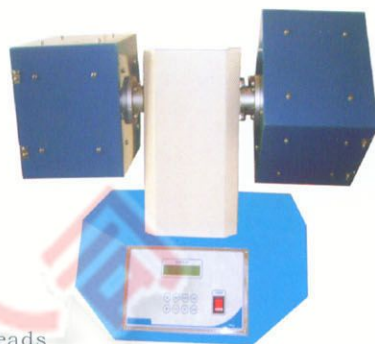
标准图卡 1套 Standard Cards: /Set

货号model:

CWG20A ICI 起毛起球测试仪 2头 CWG 20A ICI Pilling and Snagging Tester 2Heads

CWG20B ICI 起毛起球测试仪 4头 CWG 20B ICI Pilling and Snagging Tester 4Heads

标准Standards: BS 5811 M&S P18、P18A、P18B、P21A ISO12945-1



乱翻式起球测试仪，可检测织物的起球起毛性能。在独立的铝合金测试室中不锈钢叶片的旋转作用下，待测织物与软木衬壁持续、随机摩擦，测试时间由计时器和音频警报器控制，测试室内还可注入压缩空气以增强翻转、摩擦作用。

Random Tumble Pilling Tester. To determine the pilling and fuzzing characteristics of textile fabrics. Stainless steel impellers rotate within individually lit aluminium chambers constantly tumbling test fabrics against cork liners for a pre-determined time controlled by a timer and audible alarm. Compressed air is also injected into the chamber to assist in the tumbling action. With 2 or 4 test chambers. Laboratory standard compressed air supply required.

技术指标Techniques:

转速Rotation speed: 1200.00RPM

圆筒内衬Cylinder inside backing dimension:  $146 \text{ mm} \times 452 \text{ mm}$  thickness 1.5mm

取样模板Sample template:  $105 \times 105$  mm

外形尺寸Dimensions:  $480 \times 360 \times 715$  mm (L×W×H)

重量Weight: 50kg

附件Accessories:

软木衬垫 1包 (50片/包) Cork Liner (Pack of 50)

灰棉条 1包 Cotton Sliver /pack

标准对照图卡 1套 (5张/套) Set of 5 Photographic Standards

货号Model:

CWG21A 乱翻式起球测试仪 (2头) CWG21A Random Tumble Pilling Tester (2 chamber)

CWG21B 乱翻式起球测试仪 (4头) CWG21B Random Tumble Pilling Tester (4 chamber)

标准Standards: ASTM D3512 DIN 53867 JIS L 1076



适用于所有起球勾丝测试评级标准，将试样与标准图卡在制定光源下进行对照得出评级结果。

适用类型：马丁代尔起球测试, ICI起球测试, ICI勾丝测试, 乱翻式起球测试, 圆轨迹法起毛起球测试

Suitable for all standards where the assessment of pilling on fabrics is necessary, whether against control fabrics or photographs.

Suitable for: Martindale Pilling, Random Tumble Pilling, ICI Pilling, ICI Snagging, Brush/Sponge Pilling

技术指标Techniques:

观察区Observe zone:  $340 \times 165 \times 240$  mm

光源Light source: CWF灯管(CWF lamp)

外形尺寸Dimensions:  $340 \times 280 \times 240$  mm (L×W×H)

标准Standards: BS5811 ISO 12945 ASTM D3512 ASTM D4970

ASTM D5362 IWSTM 152





CWG23

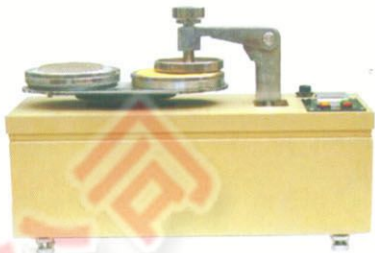
国标刷式起球起毛仪  
 Brushing Fuzzing and Pilling Tester

用途：用于测试毛织物和化纤纯纺、混纺、针织、机织物的起毛起球状况。

To determine the pilling and fuzzing characteristics of textile fabrics. Chemical fiber, blended, knitting, woven fabrics.

技术指标Techniques:

- 1、起毛起球运动轨迹：直径为40mm的圆轨迹运动。  
Pilling trajectory: circular track of 40mm diameter
  - 2、可调毛刷：采用有效高度可调节的尼龙毛刷。  
Adjustable brush with efficient height.
  - 3、试样压力Sample pressure:  
 化纤织物压力为590cN; Chemical fiber fabric pressure for 590 cN;  
 精梳毛织物压力为780cN; Combed wool fabric pressure for 780 cN;  
 粗梳毛织物压力为490cN Crude wool fabric pressure for 490 cN
  - 4、试样规格Sample Specification:  
 直径Diameter 112.8mm圆状(Circularity), 面积100平方厘米area of 100 cm<sup>2</sup>
  - 5、次数选择Time Option: 1~9999.
  - 6、试样往复速度sample reciprocating speed: 60rpm
  - 7、电源Power: Ac220V 50Hz
  - 8、电动机Electromotor: 功率Power 60W 转速Rotation Speed 2800r/min
- 外型尺寸Dimension: 540×250×345mm (L×W×H)  
 重量Weight: 35Kg  
 标准Standard: GB/T4802.1-1997



CWG24

Martindale 耐磨性及起球性测试仪  
 Martindale Abrasion and Pilling Testers

Martindale耐磨性及起球性测试仪，可检测各种结构织物的耐磨性及起球性能。试样与一定的磨擦材料进行低压持续换向磨擦，其磨损及起球程度可与标准参数进行对比评价。本仪器采用活动式的试样紧固组件，可随时取出某个磨擦试样而不影响其它试样，不仅实现了对试样迅速、独立的检测，还保证了对磨擦同期计量的准确性，是BSEN 815012947-1:1999被认可的紧固方法。可提供4、6、8、9头的型号。

Martindale Abrasion and Pilling Testers. To determine the abrasion and pilling resistance of all kinds of textile structures. Samples are rubbed against known abrasents at low pressures and in continuously changing directions and the amount of abrasion or pilling is compared against standard parameters. The unique design allows removal of individual sample holders for examination without lifting the top motion plate. Provided with unique programmer which includes preprogrammable batch and totaliser counters, individual station counters, 4- position parking function, 4 selectable test speeds with liquid crystal display. Standard sample holders and 9 and 12kpa weights are included. Available with 4, 6, 8 or 9 test positions and enhancement kits to convert 6 position tester to 7, 8 or 9 positions and 8 position tester to 9 positions.

技术指标Techniques:

- 1.工位数Models : 4、6、8、9Heads
2. PLC控制，触摸屏显示 PLC Control and Touch Screen
3. 加压物重量Pressure Weight
  - a. 夹持器Holder: 200±1g
  - b. 衣料试样重锤Cloth Sample Weight : 395±2g
  - c. 家具装饰品试样重锤Furniture Accessories Sample Weight : 594±2g
  - d. 不锈钢蝶片Stainless steel butterfly: 260±1g
4. 磨块有效磨擦直径Efficient Rubbing Diameter :  
 A型 200g(1.96N)磨擦头(Rubbing Head) ϕ 28.8 -0.084mm  
 B型 155g(1.52N)磨擦头(Rubbing Head) ϕ 90 -0.10mm
5. 夹持器与磨台相对运动速度Friction relative speed: 50-2r/min
6. 装样压锤质量Sample weight: 2385±10g
7. 电源Power : 220V 50Hz

货号Models :

CWG 24A Martindale 耐磨性及起球性测试仪 4头 CWG24A Martindale 4Heads  
 CWG 24B Martindale 耐磨性及起球性测试仪 6头 CWG24A Martindale 6Heads  
 CWG 24C Martindale 耐磨性及起球性测试仪 8头 CWG24A Martindale 8Heads  
 CWG 24D Martindale 耐磨性及起球性测试仪 9头 CWG24A Martindale 9Heads  
 4966/4970 IS 12673 JIS L1096 SFS 4328 PREN ISO 12947-1 PREN ISO 12945-2 SATRA TM31 ISO 20344  
 外形尺寸Dimensions: 580×640×360 mm (L×W×H)  
 标准: ISO 5470 DIN 53863/53865 BS 3424/5690 IWTO 40-88 BS EN 388/530 IWSTRM 112/196 ASTM



CWG25

气动式试样压片机  
 Pneumatic Sample Press

气动式试样压片机，新型台式压片机，配有125mm气缸，50mm裁切厚度及125×125mm裁切台。100psi的气压下可产生800kg压力，配有安全双键操作。可按要求提供特殊形状的冲模，要求使用实验室标准空压机。

Sample pneumatic compression machine, a new type of desktop compression machine, equipped with 125 mm gas Gang, Cutting thickness of 50mm and 125 x 125mm cutting Taiwan. Under the pressure of 1100 psi can produce 800kg pressure, equipped with a double bond security operation. Can be requested to provide special shape die. Laboratory standards require the use of air compressor.



技术指标 Techniques:

压盘直径Compression diameter: 18.5cm

气压Pressure: 4kg/cm<sup>2</sup>

选购件Optional:

CWG25A 圆形冲模100cm<sup>2</sup> (直径113mm/4.44英寸) 适用于欧洲织物克重系统  
CWG25A Circular Die 100cm<sup>2</sup> (113mm/4.44 in dia) for European Fabric Yield System

CWG25B 圆形冲模68.53mm (直径2.689英寸), 适用于美国织物克重系统  
CWG25B Circular Die 68.53mm (2.698 in) dia for U.S. Fabric Yield System

CWG25C 圆形冲模, 直径38mm/12cm<sup>2</sup>适用于Martindale耐磨性及起球性测试仪  
CWG25C Circular Die 38mm/12cm<sup>2</sup> for Martindale Abrasion and Pilling Testers

CWG25D 圆形冲模 (直径140mm/154cm<sup>2</sup>) 适用于Martindale耐磨性及起球性测试仪  
CWG25D Circular Die 140mm/154cm<sup>2</sup> for Martindale Abrasion and Pilling Testers

外形尺寸Dimensions: 450×350×930mm (L×W×H)

标准Standards: ASTM D3776/2646 ISO 3801 BS 3424/2471

BS EN 12127 M&S P65/65A



CWG26

织物克重天平

Shroder Fabric Weight Balance

准确测定织物克重,精密且轻便,有LCD显示屏,不锈钢盘,触摸式开关,密封前板,配防风罩。

To determine the fabric weight nicety, accurate measurement fabrics gram portable electronic scales, provided with LCD display, stainless steel plate, touching switches, sealed before the board. With wind-proof caps

单位转换: 克, 克/平方米, 盎司, 盎司/平方码

Unit conversion: grams, grams/m<sup>2</sup>, ounce, and ounce/square yards

量程Measuring range: 200g

精度Precision: 0.01g



CWG27A

标准织物裁样器

Circular Fabric Sample Cutter

技术指标:

裁样器可裁出100cm<sup>2</sup>样,并于天平上称重圆形裁样器适用100cm<sup>2</sup>×厚5mm裁切厚度配有裁切垫及4片备用刀片。

附件: 刀片 (4) 垫板 (1)

Circular Fabric Sample Cutter 100cm<sup>2</sup> fabric combine with the electronic balance. Suitable for 100 cm<sup>2</sup> x 5mm depth of cut, provided with the cutting mat and the spare blades

Accessory : Spare blades (4pcs)

Cutting map (1 purchase)



CWG27D

电动织物裁样器

Electric Fabric Sample Cutter

100cm<sup>2</sup>/直径113mm ×5mm裁切厚度, 高速马达驱动, 可充电和安全锁。高速马达和单刀片以免拔出细纤维和弹性体。可适用工业用布的坚硬刀片。配有2个裁切板和4个备用刀片及12DV充电电池。

Electric Fabric Sample Cutter 100cm<sup>2</sup>/113m diameter x 5mm cutting depth. High speed motor driven with rechargeable battery and safety lock. Complete with 2 cutting boards and 4 spare blades.

High speed motor and single blade avoids plucking on delicate fabrics and elastomers. Diamond-hard blade for industrial fabrics. Also available with programmed battery operated electronic balance.



CWG28

线圈长度测试仪

Coil Length Tester

线圈横列长度测试仪, 可正确测定针织物完整线圈的长度, 方法是将线圈纱线的一头固定在本仪器的滑轮上, 于另一头施加负荷以去除卷曲, 线圈长度范围50-900cm (2-36英寸之间)。

To determine the entirely length of knitwear accurately. Operation: one of the yarn is fixed on the pulley of the apparatus, impose certain load to remove curly. The coil length range is 50-900cm (2-36 inches)

尺寸Dimensions: 259×50×1550mm(10"× 2"× 61").

重量Weight: 7kg(15lb);





CWG29

## 吸湿性测试仪 UMIST Wettability Tester

可检测针织、机织及无纺布的吸湿、湿润、导湿性能。

测试时，分别在试样的四个方向上互成90度交角安装接触式传感器，传感器环的中心有一织物穿刺针头，针头上方为电池驱动、可充式的电子移液管，可将一定量的盐水通过穿刺针头而施加于织物上，同时启动2个数字计时器，其中当传感器接触到水溶液时，相应的计时器停止并显示出透水性数据以评价织物成整理剂的润湿效果。

To determine the wettability, wicking or horizontal water permeability of woven, knitted or non-woven fabrics. An adjustable needle pierces the fabric in the centre of 4 contacts space at 90° around a circle. The battery operated, rechargeable electronic pipette is positioned above the needle and a preset quantity of salt water solution is delivered to the fabric, simultaneously starting 2 digital timers, one connected to the "North-South" contacts, and one to the "West-East" contacts. The timers stops when the relevant contacts are reached by the solution, providing data on permeability to evaluate fabrics and finishes.

标准Standards: BS 4554



CWG30

## 通用磨损性测试仪 Universal Wear Tester (Stoll Quartermaster)

通用磨损性能测试仪 (Stoll Quartermaster)，可检测各类织物包括服装、鞋及产业纺织品的磨损性能及耐磨性。本仪器配有平磨测试头（充气膜式耐摩测试法）和曲磨测试头，以及所需的砝码及砂纸。内置计时器及机械循环计数器。

To determine the wear and abrasion resistance of fabric used in clothing, footwear and industrials. Supplied with surface abrasion head (inflated diaphragm method) and flex abrasion head as well as necessary weights and initial supply of abrasants. Fitted with built-in timer and mechanical cycle counter.

技术指标 Techniques:

速度Speed: 120rpm

行程Measuring Range: 25mm

计数显示Counter Display: LCD

电源Power: 220V 50HZ

外型尺寸Dimensions: 480×360×715mm(L×W×H)

重量Weight: 43kg

货号Model:

CWG30A 标准型 CWG30A Standard Universal Wear Tester

CWG30B 触摸屏显示 CWG30B Touch Screen Universal Wear Tester

标准Standards: ASTM D3514, D3885, D3886 AATCC 119, 120 FTMS 191, 5300, 5302 FORD EFB 15J2/BN 112-01



CWG31

## Taber 磨耗试验机 Taber Wear and Abrasion Testers

Taber耐磨损及耐磨性测试仪，可检测包括金属、涂料、板材表面、涂层材料、纺织品、皮革、橡胶等耐磨性能。通过一对磨擦的旋转作用产生“X”型磨擦作用。配有全套辅助砝码，试样夹，磨擦轮，真空装置，膜式控制键盘及电子计数器。

Taber Wear and Abrasion Testers. To determine the wear resistance of all kinds of structures including metals, paints, plated surfaces, coated materials, textiles, leather and rubber. Uses the X pattern of abrasion produced by a rotary action of a pair of abrasive wheels. Supplied with a full range of auxiliary weights, specimen holders, abrasive wheels, wheel refacer and vacuum unit.

技术指标 Techniques:

磨耗轮Abrasion Wheel: Diameter 52mm

磨耗轮中心间距Wear Round Centre Spacing: 53.2mm

回转速度Gyration Speed: 70±1rpm

计数器Counter: LCD, Can count: 0-999999

试样与吸尘管距离The Sample From The Vacuum Tube Distance: 3mm

TAPPI T476 DIN 53754 53799 53109

外形尺寸Volume: 530×320×310mm(L×W×H)

重量Weight: 18kg

电源Power: AC220V 50Hz 5A

标准Standards: ISO 5470 ASTM D3884 FED.CCC.5306/5309





可适用弹性材料,橡胶,轮胎,输送带,传动皮带,鞋底,软质合成皮,皮革…等材质之磨损测试, 本机有足够的试验面积亦可直接采取是本机最大的特点, 具有操作容易与试件取样简单, 需另搭配比重天平使用。

Applicable flexible materials, rubber, tires, conveyor system, transmission belts, Sole, leather etc... the adequate testing area can take this apparatus directly which is the largest features of this tester. easy operation and simpling, with the proportion of available at the use of balance

技术指标Techniques :

砝码荷重Calibration Weight : 2.5N, 5N

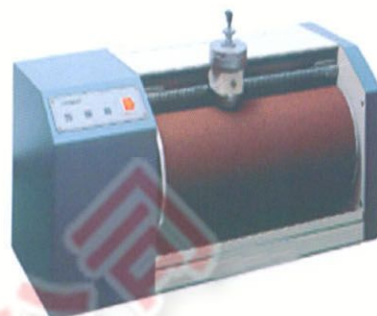
滚轮长度Roll Length : 460mm

行程预定Measuring Range: 40M/20M

外形尺寸Dimensions: 700×300×300mm(L×W×H)

重量Weight: 50kg

标准Standards: DIN-53516 ISO-4649 GB/T9867 SATRA Tm174 BS-903



Mullen胀破强力机可以用来测量纸张、塑料、纺织品、以及无纺布的胀破强力, 常用型号C最高可以测量200psi。独特的变速箱装置可以使压力保持稳定。电动驱动, 手动把柄可以进行快速准确的样品夹持。

To determine the bursting strength of plastics, paper, textiles, and, no woven fabric. The commonly used models C can achieve maximum measurable 200psi. Unique device enables transmissions pressure stable. Electric-driven pumps can handle a fast and accurate samples holding.

技术指标 Techniques:

小表量程范围Measuring Range: 0-87psi

大表量程范围Measuring Range: 0-233psi

夹头直径Collet Diameter: 31mm

外形尺寸Dimensions : 600×400×450mm(L×W×H)

重量Weight: 35kg

标准: ASTM D-3786, AS 2001.2.4, BS 4768, GB7742, ISO 2960, JIS L1018/L1093, IWS Tm170



数字式胀破强度测试仪, 可检测针织物胀破强度, 将油压施加在特定面积的橡胶膜上, 再迫使织物胀破。本仪器配有压力显示器、峰值保持记录及峰值上限设置, 可更换的橡胶膜片, 手动夹紧装置。

To determining the bursting strength of woven or knitted fabrics, non wovens, paper and board by application of a hydraulic load under a rubber diaphragm of a specific area. Provided with a digital readout of pressure with peak hold facility, renewable rubber diaphragms. manual clamping device with clear acrylic bell.

试样尺寸直径Sample Diameter: 30.5±0.05mm

弹性膜片尺寸直径Flexible Patch-size Diameter: 80mm

胀破强度及分辨率Strength and Resolution : 0-7Mpa(7000Kpa/1015psi), 0.002Mpa

电源Power: AC220V, 200W, 50-60Hz

外形尺寸Dimensions: 560×380×470mm(H×W×D)

重量Weight: 35.5kg

货号Model:

CWG34A 数字式顶破强度测试仪 (触摸屏显示)

CWG34 Digital Bursting Strength Tester (Touch Screen Display)

CWG34B 数字式顶破强度测试仪 (触摸屏, 胀破高度显示)

CWG34 Digital Bursting Strength Tester (Touch Screen bursting High Display)

CWG34C 电脑控制 (显示胀破曲线, 胀破高度)

CWG34C Computer Control (Display Bursting curve and height)

标准Standards: ASTM3786、ISO2758, ISO2960、JIS L1018/L1093, IWS TM170





CWG35

## 沾水性测试仪 Spray Rating Tester

喷淋式拒水性能测试仪，可评定织物表面的拒水性能。本仪器是全金属构架，定量蒸馏水通过标准喷头以45° 喷淋在喷嘴下方150mm处待测试样，测试后试样表面与标准图卡进行对照、评级。

To determine the surface wetting resistance of fabrics. Comprising a metal framework allowing distilled water to be sprayed through a nozzle onto a test specimen at 45 degrees and 150mm below the nozzle. The appearance of the specimen is compared against an optional photographic scale.

技术指标Techniques:

孔数Hole Number : 19个

试样安放角度Sample Angle: 与水平成45° A level of 45 Degree

淋水量Wetting: 250ml

外形尺寸Dimintions: 260×230×570mm (L×W×H)

重量Weight: 约5kg

附件Accessories :

1.接水盘Water basin

2.量杯Measuring Cup: 250ml

3.AATCC22评级标准图卡Photographic Rating Chart (AATCC22)

标准Standards : ISO 4920 BS EN 24920 BS 3702 AATCC 22 M&S P23

NEXT 23



CWG36

## 防雨性测试仪 Rain Tester

防雨性测试仪，可检测在不同雨水压力作用下织物或复合材料的拒水性能。本仪器可模拟雨从水平方向喷向垂直固定在不锈钢槽内的待测织物。试样背面紧贴着标准吸滤纸（测试前后需称重）。水柱中的水经标准喷头喷射形成雨，而水柱水量可由600mm增加至2400mm

To determine the penetration resistance of fabrics or composites at different intensities of water impact. Simulated rain horizontally impacts fabric samples mounted vertically in a stainless steel bath. Samples are backed with a standardised blotting paper which is weighed before and after each test. The rain is formed by a column of water which can be adjusted from 600mm to 2400mm

技术指标Techniques:

试样尺寸Dimensions: 200×200mm

吸水纸尺寸Blotting Paper Dimensions : 152×152mm

试样夹宽度Sample Nip Width : 152mm

试样夹间距离Sample Nip Space Between : 165mm

样品夹尺寸Sample Nip Dimensions : 178×229mm

喷嘴直径Nozzle Diameter : 0.99±0.013mm

喷嘴与试样距离Nozzle Space Between sample : 305mm

附件Accessories:

AATCC滤纸500×1000mm (20×40in) , 25张 AATCC Blotting Paper

500×1000mm (20×40in) 25 Sheets

标准Standards: AATCC35



CWG37A

## 耐静水压测试仪 Hydrostatic Head Tester

本机适用于纤维、合成皮、皮革、包装纸等，以水压法、一定水压法、漏水量法，测试其耐水度或漏水度，水位上升速度可调。

Apply to the Fiber, Leather, Wrapping Paper, to water pressure, a certain pressure, leakage testing of its water leakage, the water level rising adjustable rate.

技术指标Techniques:

水柱高度High of Water Column:1800mm(1.8mh2o柱)

双测试头Testing Heads :

织物、纤维-测试头直径113mm Fabric, Fiber testing diameter 113mm

合成皮、皮革---测试头直径50mm Synthetic Leather, Leather Diameter 50mm

加压速度Pressurizing Speed : 10或60cmH2O/min (低水压法Low Hydraulic Pressure)

试验片安装方式Test Strip Install Mothed: 手动旋紧 Manual

外形尺寸Dimensions :520×500×2540mm(L×W×H)

重量Weight: 约100kg

标准:ISO 811 BS EN 20811/3321/3324 DIN 53886 JIS L1092 L1096

AFNOR GO7-057 ERT 120-1, 160-0 AATCC 127 K6550





耐静水压测试仪，可检测试样在一定压力下的拒水性能，试样被固定在100cm<sup>2</sup>面积的试样夹上。单片机控制，液晶显示，压力曲线显示，伺服马达水泵控制加压速度。水压(水柱高度)上升速率可以任意设定0-500cmH<sub>2</sub>O/min.配置微型打印机记录每次测试数据。独具恒速加压和持压功能。

To determine the resistance of fabrics to water penetration under pressure whilst firmly clamped in the test rig of 100cm<sup>2</sup> area. Water pressure is applied by means of compressed air and distilled water with a range of 0-500cm H<sub>2</sub>O/min water gauge full scale recorded on a digital display. The rate of rise is adjustable by digital control and display and recorded in centimetres per minute.

样品夹持力 Sample nipping Strength: 手动加压Manual Pressure:1000kg, 气动加压Pneumatic pressure :800kg

最大测试压力：理论上50米，由于夹持力的原因，不同的布料实际的最大测试压力为20-30米

The most Testing pressure : Different Material the most pressure be 20-30m

标准Standards: ISO 811 BS EN 20811/3321/3324 DIN 53886

AFNOR GO7-057 ERT 120-1, 160-0 AATCC 127



针对特殊要求的超高压耐静水压测试仪，可检测试样在一定压力下的拒水性能，试样被固定在100cm<sup>2</sup>面积的试样夹上。单片机控制，液晶显示，压力曲线显示，伺服马达水泵控制加压速度。水压(水柱高度)上升速率可以任意设定0-500cmH<sub>2</sub>O/min.配置微型打印机记录每次测试数据。独具恒速加压和持压功能。

For special requirements to the Ultra-High Hydrostatic tester. To determine the resistance of fabrics to water penetration under pressure whilst firmly clamped in the test rig of 100cm<sup>2</sup> area. Water pressure is applied by means of compressed air and distilled water with a range of 0-500cm H<sub>2</sub>O/min water gauge full scale recorded on a digital display. The rate of rise is adjustable by digital control and display and recorded in centimetres per minute.

技术指标Techniques:

样品夹持力：液压系统加压-大于30吨（可定制），分为手动，自动两种

Sample Nipping Strength:Hydraulic pressure system - more than 30 tons (customized), divided into manual and automatic

最大测试压力The most testing Pressure: 60M

加压速度Pressure Speed : 任意设定0-500cmH<sub>2</sub>O/min

TNG37C-1 手动加压型 TNG37C-1 Manual Pressure

TNG37C-2 自动加压型 TNG37C-1 Automatic Pressure

外形尺寸Dimensions : 约605×505×830mm (L×W×H)

重量Weight: 150kg

标准Standards: ISO 811 BS EN 20811/3321/3324 DIN 53886 AFNOR GO7-057 ERT 120-1, 160-0 AATCC 127



透湿性测试仪，用以检测纺织品及纺织复合材料（特别是运动服面料）的水蒸汽透过性能。本仪器备有8个测试容器及标准透汽织物盖，试样夹环及精密驱动系统。必须放置在恒温恒湿条件下使用。

To determine the resistance of textiles and textile composites (particularly action wear fabrics) to water vapour penetration. The apparatus consists of 8 containers with water reservoirs, a standard permeable fabric cover, sample holder ring and precision drive system.

技术指标Techniques:

调湿杯Wet-Cup: 8个( Pcs )

速度Speed: 1-5RPM

外形尺寸Dimensions: 785×270×285mm(L×W×H)

重量Weight: 35kg

标准Standards: BS 7209 BS3424





CWG39

## 恒温恒湿箱透湿性测试仪 Complex Water Vapour Permeability Tester

用于各类织物，包括透湿型涂层织物的透湿量试验。采用国际品牌压缩机和循环风机，效率高、能耗低，不仅促进节能，而且使用寿命长，可将噪声降至更低限度，与传统低温设备相比，降温时间减少40%以上。

For Diverse of Fabrics, including fabrics permeability of the water vapor permeability testing. Use of international brands compressors and air circulation, high efficiency, low energy consumption, not only to promote energy conservation, and long service life, noise can be reduced to a lower limit, compared with the traditional low-temperature equipment, cooling time by 40 percent or more.

技术指标Techniques:

温度控制范围Temperature Control Range: 20°C-50°C ± 1°C

湿度控制范围Humidity Control Range: 50%-90% ± 2%

时间显示Time Display: 0-99.9h

循环气流速度Circle Airflow Speed: 0.2m/s, 0.3m/s, 0.4 m/s, 0.5 m/s

透湿面积Permeability Area: ≥3000mm<sup>2</sup>

测试杯数量Testing Cup Count: 8-16-32

标准Standards: GB 1037, ISO 2528, JIS Z0208, ASTM E96, ASTM D 1653

BS 7209 BS 3424



CWG40

## 纺织品动态吸水性测试仪 Dynamic Absorption Tester

纺织品动态吸水性测试仪,用于评估经整理织物的拒水性。仪器由滚筒罐及电动转架组成。

Textile dynamic hydropscopicity instrument, design to evaluate the water repellency of textile after finishing. The instrument is composed of roller drum and Electromotion turner.

技术指标Techniques:

速度Speed: 55rpm

时间显示 Time Display: 0-999h

外形尺寸Dimensions: 406×203×432mm (L×W×H)

重量Weight: 40kg

标准Standards: ASTM D583, FTS191-5500.1, 5508.0, 5580.1, AATCC 70



CWG41

## 钻绒性测试仪 Downproof Tester

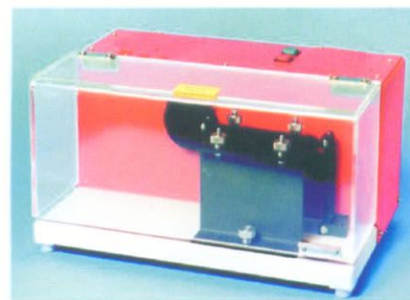
钻绒性检测仪，用以检测防寒服、被罩等床上用品的内衬材料、羽绒或纤维钻透织物的能力。其电子计数器可控制每次测试的测试周期，配有联锁塑料盖以保证安全性。

To determine penetration of filling of down, feathers or fibres through fabrics used in winter garments and quilted bed covers. Fitted with electronic pre-determined counter to determine the number of cycles per test, acrylic plastic cover with interlock for safety.

外形尺寸Dimensions: 400×270×190mm (L×W×H)

重量Weight: 20kg

标准Standards: STS 47 BS 12132 EN 12132/1

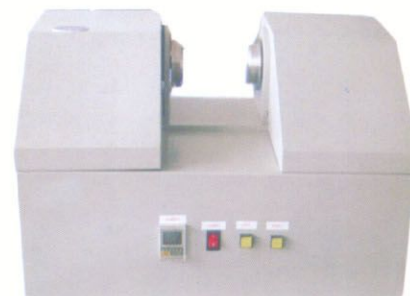


CWG42

## Crumpleflex挠曲性测试仪 Crumpeflex Flexibility Tester

Crumpleflex挠曲性测试仪，用以检测涂层织物由于的揉压、弯曲后拒水性能情况。测试时，管状织物交替承受90°扭曲拉伸和挤压作用。挠曲测试后的织物再进行拒水性测试。本仪器配有电子计数器，完成预设测试周期后自动停机。配带安全联锁的丙烯酸塑料盖。

To determine the degradation to water resistance of coated fabrics due to crumpling and flexing in use. The equipment tests a tube of fabric by twisting it through 87o stretching alternately compressing the tube at the same time. After completion of the test the fabric is tested for resistance to penetration by water. Fitted with electronic pre-determined counter with automatic stop at a pre-determined number of cycles. Fitted with acrylic plastic interlock safety cover.





外形尺寸Dimensions : 805×435×380mm(L×W×H)

重量Weight : 约60kg

货号Models :

CWG42A Crumpleflex挠曲性测试仪(单头) CWG42A Crumpleflex 1 Head

CWG42A Crumpleflex挠曲性测试仪(两头) CWG42B Crumpleflex 2Heads

标准Standards : ISO 8096 BS 3424

CWG43

### 防紫外线透过及防晒保护测试仪

UPF and UV Penetration/ Protection Measurement System

用途: 测试纺织品紫外线透过率和防紫外线性能的专用仪器,可直接测取纺织品的紫外线防护系数UPF。可测参数: 紫外线A波段透射比: T(UVA)、紫外线B波段透射比: T(UVB)、紫外线防护系数: UPF

To measuring the UPF (Ultraviolet Protection Factor) of fabric samples. A fast, simple-to-use and accurate spectrophotometer

技术指标Techniques :

测试波长范围 Testing Wavelength Range : 280-400nm

波长分辨率Wavelength Exculation Rate : 1nm

全电脑控制、人机对话自动测试。Computer-controlled, man-machine dialogue automatic testing.

自动数据处理、数据储存和报告打印。Automatic data processing, data storage and printing reports.

电源Power : 220V

标准Standards: GB/T18830-2002, AATCC183-1998, BS7914-1998, PREN137582001, AS/NZS4399-1996;



CWG44

### 平板式保温仪

Slab Insulation Tester (Thermostats)

用途: 用于各种织物, 缝绉制品及其它保温材料的保温性能。

特性:

To determine variety of fabrics and seam materials and other products of the thermal insulation properties.

Characteristics:

1. 采用微电脑控制和数据处理, 可直接测定计算试样的各项性能。(保温率, 传热系数, 克罗值) 无须人工计算, 测试速度快。

2. 采用大液晶显示, 可显示, 贮存所有测试过程中数据和最终统计结果, 并提供查询。

3. 测试数据随时打印。

4. 采用高精度温度传感器, 使仪器的测试精确度大幅度提高。

1. Microcomputer control and use of data processing, direct calculation of the performance of the sample. (Insulation rate of heat transfer coefficient, Croatia value) not artificial, the test speed.

2. A large LCD, displays, storage of all the course of testing data and the final results and to provide for.

3. Shun test data when printing.

4. Using high-precision temperature sensor so that the accuracy of the test apparatus a substantial increase

技术指标Techniques:

1. 温度可调节范围Temperature Range : 20-50°C

2. 温控精度Temperature Precision :  $\pm 0.5^{\circ}\text{C}$

3. 温度示值分辨率Resolving Capability :  $0.1^{\circ}\text{C}$

4. 预热时间设定范围Warm-up Range: 0~99.9min

5. 循环次数Circle Times: 1~9次

6. 试样尺寸Sample Dimensions : 300×300mm

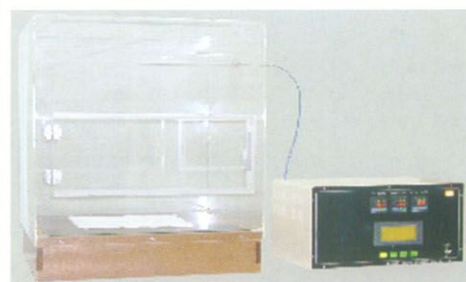
7. 试验板尺寸 250×50mm

8. 电源Power: AC220V $\pm 10\%$ , 220W, 50Hz

外形尺寸Dimensions : 520×630×55mm (L×W×H)

重量Weight : 65kg

标准Standards : JIS L1018 ASTM D1518 Gb11048



CWG45

### 钮扣撞击强力测试仪

Button Impact Tester

钮扣撞击强力测试仪, 可检测塑钮、胶钮的抗撞击阻力, 将质量为0.84kg(29.5oz)重物从67mm(2.625英寸)或其他规定高度 (至多200mm(8英寸)落下, 以钮扣的破裂程度作为考核。

To determine the impact resistance of plastic sew-through flange buttons to a falling mass of 0.84kg (29.5oz), released from a height of 67mm (2.625 inches) or other heights as required. Cracking, chipping

or breakage constitute failure.

技术指标Techniques :

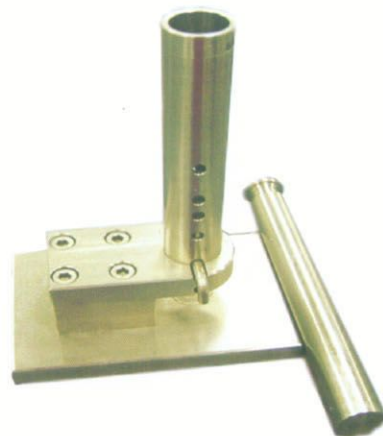
撞击质量Impact Quality : 0.84Kg

测试高度Testing Hight : 32mm, 44mm, 67mm, 83mm, 95mm, 117mm, 200mm

外形尺寸Dimensions : 238×200×342mm (L×W×H)

重量Weight : 2.6kg

标准Standard : ASTM D5171





CWG46

钮扣拉力测试仪  
Snap Button Tester

此项测试的目的是界定成衣制造商的责任以保证钮扣、按钮及固定件能适当地固定在成衣上，防止钮扣脱离成衣，造成婴儿有机会吞服的危险。故此，所有成衣上的钮扣，按钮及固定件均需通过钮扣强度测试仪的检测。

The intention of this test is to define the slopwork manufacturer duty to ensure fastener, button and fixing article could be properly fix to the slopwork to prevent the departure of fastener leading to infant ingestion venture. Therefore all of fastener, button and fixing article of the slopwork need to be tested by fastener tension detector

- 技术指标Techniques:  
 外形尺寸Dimensions : 280×220×770mm(L×W×H)  
 重量Weight: 23 kg  
 配件Accessories:  
 依梦达拉,力表30kg Imada Force Gauge FB-30K 1个Pc  
 通用公钮夹具Upper Stud Clamp 1把Pc  
 通用母钮夹具Snap Clamp 1把Pc  
 底部织物夹具Lower Fabric Clamp, Lever Armlocking 1个Pc  
 三爪钳Three Pronged Clamp 1把Pc  
 标准型加压夹具17 Standard Pressure Clamp 17 1个Pc  
 标准Standards: 16 CFR 1500.51-53 , ASTM PS79-96



CWG47

手持金属探测试仪  
Hand Held Type Metal Detector

用于检测服装、玩具中夹杂的断针的具体位置的检针器，可单独使用，也可用于大型检针器检查后小范围查找断针的确切位置。  
Used to detect clothing, toys inclusion in the Break Spinal the specific location of the pin detection, can be used alone, can also be used for large pin detection checks after small area to find the exact location.

- 特点Features:  
 1.本检针器可连续长期工作；不发热，不产生过载现象。The equipment can continu working for long time, Do not have to overload  
 2.本检针器操作简易、功耗低。The equipment easy for operating and low power consumption.  
 技术指标Techniques:  
 1.电源Power：6F22-9V电池Battery。  
 2.检测灵敏度 Detection Sensitivity:  
 (1) 直径：1.2mm铁球可达10mm高度 Diameter: 1.2mm iron ball can reach 10mm height.  
 (2) 直径：0.7×20断针可达50mm高度 Diameter: 0.7 \* 20 needle smash can reach 50mm height.  
 体积Dimensions：135mm×65mm×35mm(L×W×H)  
 重量Weight：280g



CWG48

龙门式金属探测仪  
Ferrou Metal Detectors

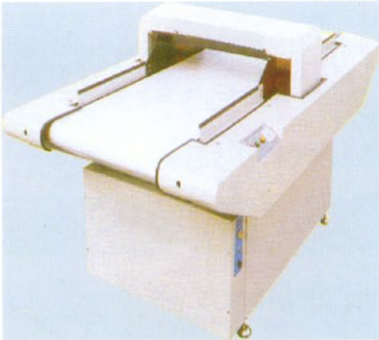
主要用于玩具、服装、制鞋、化工、皮革、针织、食品等行业，用于检测夹杂或失落于原料或产品中的断针、铁丝或铅、铜、不锈钢等有色金属。

Used for toys, clothong, shoes, chemical, leather, knitwear, food industry. Detect pins, wire, lead, copper, and stainless steel colour metals mixed in or lost in the materials or products.

技术指标Techniques:

型号Models	CWG48A	CWG48B	CWG48C	CWG48D	CWG48F
检测窗口高度Testing Height	100mm	120mm	150mm	200mm	250mm
检测窗口宽度 Testing Width	600mm	600mm	600mm	600mm	600mm
检测灵敏度 Testing Sensitivity(Steel Ball)	φ 0.8mm钢球	φ 1.0mm钢球	φ 1.2mm钢球	φ 1.5mm钢球	φ 2.0mm钢球

- 输送速度Feeding Speed:0.25-0.5m/s.  
 灵敏度Sensitivity：φ 0.8mm-2.0mm钢球(Steel Ball)  
 电源Power: 220V 50Hz.  
 外型尺寸Dimensions: 1600×840×1050mm(高度范围为Height Range 1050-1200mm)  
 重量Weight: 120-150kg





主要用于玩具、服装、纺织、制鞋、食品等行业，用于检测夹杂或失落于原料或产品中的断针、铁丝等含铁金属。

Used for toys, clothing, shoes, chemical, leather, knitwear, food industry.  
Detect pins, wire, lead, copper, and stainless steel colour metals mixed in or lost in the materials or products.

#### 技术指标Techniques:

检测窗口高度Testing Height: 100mm-125mm-150mm-200-210mm。

检测窗口宽度Testing Width: 600mm-需要的宽度。

灵敏度Testing Sensitivity(Steel Ball):  $\phi 0.8-1.5\text{mm}$  钢球。

电源Power: 220V 50Hz。

外型尺寸Dimensions: 2350×1040×900(L×W×H)

重量Weight: 320kg



用途：用来检测除儿童睡衣睡裤或防护服外，至消费者手中或从消费者取来的纺织品可燃性的评定。

To determine the burning characteristics of textiles under controlled conditions. Stainless steel test cabinet with glass observation panel provided with automatic timing of flame spread in 0.1-second increments from ignition. Brushing Device including Spare Nylon Brush.

#### 技术指标Techniques:

时间显示Time Display: 0-99.9S

分辨率Resolving Capability: 0.1S

点火时间Ignition time: 0-99.0S

燃烧尺寸Flammability Dimensions: 368×216×356mm

外形尺寸Dimensions: 370×230×540mm (L×W×H)

重量Weight: 约30kg

附件Accessories:

燃烧供气装置Brushing Device 1

50号丝光棉缝纫机线 NO50 sewing line 1

标准Standards: ASTM 1230 CRF 16-1610 CALIF TB 117



用于检测绒毛或皮毛织物的燃烧性，火焰在织物表面快速蔓延，但织物的基布结构不燃烧。其移动丁烷燃烧器在织物表面横向移动，可检测是否存在表面火焰并记录基布的损毁。

Surface Flash Tester. The rapid spread of flame over the surface of the material without ignition of its basic structure, usually applied to pile or fur fabrics. Swivelling butane burner is traversed across the face of the fabric to determine whether surface flash occurs and to record any damage to the base fabric

#### 技术指标Techniques:

喷头移动速度Nozzle Moving Speed: 150±5mm/Sec (双向Two Way)

喷头移动距离Nozzle Moving Distance: ≈300mm

火嘴内径Fire Mouth Diameter: 3mm 外径: 7mm

火嘴底部Bottom: 4个 $\phi 2.7\text{mm}$ 通风孔 Ventilation Holes 4pcs $\phi 2.7\text{mm}$

可测试织物毛绒高度Testing Plush High: 0-70mm

火焰高度Fire High: 0-60mm 连续可调(Continuing Adjust)

外形尺寸Dimensions: 600×400×370mm(L×W×H)

重量Weight: 20kg

电源Power: AC220V 50Hz 50W

标准Standard: BS4569





配合45度燃烧测试仪使用，利用四氯乙烯洗去织物表面的阻燃剂，对需要进行燃烧测试的织物预处理。进口不锈钢罐体，冲压成型，无任何焊点，体积小，可以直接放入通风橱柜中使用，避免了四氯乙烯对环境及操作员的伤害。

Cooperating with all kinds of combustion detector, using tetrachloroethylene to scour off fire retardant on the weft surfa, dry cleaner proceed pretreatment to weft that need combustion test. Import stainless steel tank shell, punch forming, without any welding spot, compactness, could be used directly in the ventilation cabinet to avoid environment and operator injury from tetrachloroethylene.

技术指标Techniques:

转筒容积The cylinder volume : 11.4L

转筒转动速度Rotating speed: 47.5±2.5rpm

工作电源Power: 220V 50Hz

外形尺寸Dimensions: 610×360×540mm (L×W×H)

重量Weight: 60Kg

标准Standard: ASTM D1230 ASTM F963



用以检测儿童服饰或玩具及其饰品的燃烧性能，评估以下玩具种类的燃烧速度和時間。

To test flammability resistance of finery or toy and its decorations of children, to evaluate the burning speed and time of the following kinds of toy.

1. 儿童穿戴的衣服（化装服饰），尤其是有披肩、飘垂的衣服和類似物品  
Testing for Children clothing (make-up finery) especially cape, flow down clothing and similar
2. 儿童可进入的玩具，如遊戲帐篷和遊戲室Toys children enterable, such as game tent and playroom
3. 儿童可拥抱玩具，填充軟體玩具Toys children cuddled, such as stuffing soft toys.
4. 以面具和假髮等樣式出現的可被戴著的玩具Toys that can be worn, such as mask and wig

技术指标:

1、点火时间设定范围Ignition of the Time Range:0~99.99S

测试精度 Precision: 0.01S

2、续燃计时范围Continued burning time:0-999.9S

3、点火嘴尺寸Ignition Fire Mouth Dimension:

符合ISO 6941标准 According to ISO6941 Standard

4、电源Power:AC200V 50Hz

试样夹尺寸Dimensions:150mm×560mm

重量Weight:40kg

标准Standard: EN71-2-2003



燃烧性测试仪，可检测织物及毛绒玩具竖向燃烧性能。需要人工点火，自动熄灭。配置有电磁阀，燃烧器及精密开关引燃线。配有PLC控制，友好人机界面，具有数据分析功能。不同测试标准要求不同附件、点火器及构型，请注明所需规格。

To detect the flammability resistance of vertical oriented fabrics or wool of weft and toy. Requires operator to ignite. Flame self-extinguish. Including electro valve, burner and micro switch ignition strand. Including PLC controller, friendly man-machine interface and data analysis function.

Different accessories, igniter and configurations are required for different test standard. Please specify standard(s) required.

技术指标Techniques:

式样夹尺寸Sample clamp dimension: 150×560mm

外型尺寸Dimension: 600×700×1200mm (L×W×H)

重量Weight: 80kg

标准Standards : ISO 6940, 6941 BS 5438, 5722, 5866, 5867, 6249, 6341 DIN 54335, 54336, 66080





用途：水平燃烧性测试仪，可检测纺织品特别是汽车内装饰织物的相对燃烧速率及阻燃性。本仪器配有密封不锈钢燃烧室、观察窗、试样夹及门式燃烧器。自动燃气控制系统包括电磁控制燃气阀、自动点火计时器及控制器。

To determine the comparative burn rates and burn resistance of textiles, particularly those for automotive interior use. Comprises draft free stainless steel cabinet with observation window, sample holder and door mounted burner.

Automatic Gas Control System including solenoid control gas valve and automatic ignition timer and controls.

技术指标Techniques:

- 1、火嘴直径Fire nozzle diameter : 9.5mm
- 2、火焰高度Fire nozzle height : 38mm±2
- 3、试样夹Sample clamp : 360×100mm 内框尺寸Interior Dimension 330×50mm 厚度Thickness 9mm
- 4、下试样夹The sample below : 金属丝间距为25mm Pitch between metal slik is 25mm
- 5、标记线Marking line : 距离试样点火处分别为From the igniting position 38mm, 138mm, 292mm
- 6、点火器 Igniting : 火嘴顶端距试样面19mm The fire nozzle is 19mm away from sample surface
- 7、箱体尺寸Chamber interior dimension: 381×203×356mm
- 8、重量Weight: 25kg

标准Standards: ISO 3795 FMVSS 302 DIN 75200 SAE J369 ASTM D5132 JIS D1201 BSAU 1690



垂直法燃烧性测试仪，用以检测儿童睡衣或装饰织物的燃烧性能，密封不锈钢燃烧室，观测窗及标准燃烧器，可及时检测火焰蔓延速率。不同的测试标准要求不同的试样夹及金属附件，需注明。

Vertical Flammability Chamber for measuring the vertical flame spread of childrens sleepwear, fabrics, other textile materials or resilient filling materials used in upholstered furniture. Comprises a draft free stainless steel cabinet with observation window and back wall painted black for easy test viewing. Calibrated burner. Flame speed is measured in time. Specimen holders, burners and associated hardware are dependent on the test standard and must be specified.

技术指标Techniques:

外形尺寸Dimensions: 330×330×945mm (L×W×H)

重量Weight : 50kg

选购件Optional accessory:

CWG56A FTMS 191-5903附件 (面料) (fabric)

CWG56B DOC-FF3/71附件 (儿童睡衣) (children pyjamas)

CWG56C CALIF TB-117附件 (装饰织物, 垂直法)  
(Resilient Filling Materials Vertical)

标准Standards: FTMS 191-5903 DOC-FF 3/71 CALIF TB-117



测试家电用塑料材料可燃性的精密仪器.符合所有UL94燃烧器测试要求与国际测试标准完全密封测试,改进的计时器显示,完全避免操作错误。

For determining the flammability of plastic material of electric compartment. Design for UL94 burning testing standard and the international testing standards. Testing in airproof condition. The advance calculagraph to avoid operation error





技术指标Techniques:

本生灯灯管直径The light tube diameter:9.5mm±0.3mm, 长度约 100mm

本生灯灯管口形状Light mouth shape: 圆形灯口和不锈钢鱼尾状灯口

灯具试验倾角The light dip angle: 0° -45°

施燃气体:98% 以上纯度的甲烷气(基准气), 也可使用 37MJ/m<sup>3</sup>±1MJ/m<sup>3</sup> 天然气

Gas: mathen gas of 98% purity, 37MJ/m<sup>3</sup>±1MJ/m<sup>3</sup> natiral gas is optional

施燃和移开时间Ignite time:0.01S-99.9S

持燃时间Keep burning time: 0.01s - 99.99s

试验区容积The test champer volume: 约0.75立方米

电源Power: 220V 50HZ

标准Standards: UL94, ASTM D635, 3801, 4804, 4986, 5048; ISO9772.3, 9773; IEC 60707,60695

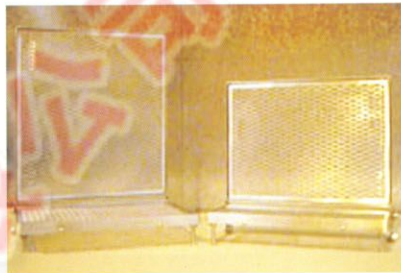
CWG58 座椅燃烧测试仪  
Flammability Test Rig (TO EN Standards)

座椅燃烧性测试仪(欧洲标准), 测试软垫座椅材料的可燃性。测试时, 测试套具由标准泡沫及待测织物覆盖。用标准点火装置将套具点燃并监测燃烧过程。

For determining the ignitability of material combinations for seating. The test rigs are covered with the standard foam and the fabric under test. The assembly is then ignited using one of the standard ignition sources and the combustion process is monitored.

卷烟的有关数据 Cigarette data: 长度约68mm Length 68mm 直径约8mm  
Diameter 8mm 质量标准称Quality standards :1g 发烟燃烧的速度Smoke  
burning speed: 50mm/12.03min

标准Standards: BS 5852第1, 2部分 BS 5852 section 1.2  
ISO 8191第1, 2部分 ISO 8191section 1.2



CWG59 座椅燃烧性测试仪  
Flammability Test Rig (TO US Standards)

美国标准室内用品燃烧性测试套具, 测试软垫座椅材料的可燃性。测试时, 测试套具由标准泡沫及待测织物覆盖。用标准点火装置将套具点燃并监测燃烧过程。金属测试架, 配有可调支脚, 织物安装夹及铝制灰烬盘。

American Standard seat incendiary tester, test padded seats combustible materials. Test, test kits by the standards of the bubble and the unknown fabric cover. Ignition device using standard kits will be lit and monitoring combustion process. Metal test planes, equipped with adjustable legs, fabric installation clips and ashes of aluminum plate.

技术指标Techniques:

外形尺寸Dimensions: 450×300×450mm(L×W×H)

重量Weight : 18kg

标准Standards : CALIF TB-117



CWG60 拉链疲劳试验机  
Zipper Fatigue Tester

本机试验拉链于横向及纵向张力下, 能否随规定次数之往复拉动操作。试验时本机以等速带动拉链之拉头, 作每分钟30次之往复运动, 至规定之次数为止。

The machine test zipper in horizontal and vertical tension, with the requisite number can walled pulling operation. Test the isokinetic machine to lead Latin America's first zipper for 30 times per minute reciprocating movement, the number of requirements to date.

技术指标Techniques :

往复次数Repeat times: 30次/分钟

往复行程Repeat route: 75-90mm

开闭角度Angle: Open开30°, 闭60°

夹具尺寸Clamp dimension: 横向宽horizontal width 25mm, 纵向宽vertical width 10mm, 节距1.5mm,

齿顶宽Tooth Crest of Width0.2mm

外形尺寸Dimensions : 480×370×960mm(L×W×H)

重量Weight : 60kg

标准Standards : CNS -1083 BS 3084 QB/T2171-1995



CWG61A 自动密度测量仪  
Automatic Density Tester

自动密度测量仪可以快速、简便并且精确的测量机织物和丝网布的丝线密度。同时也可以测量针织物的线圈密度。

To instantly and simply to determine the thread density of the woven fabric and meshwork fabric. At the same time also can be used to determine the

测量范围Measuring Range: 8-300线Line/CM, 精度Precision: 1%

标准Standards: 10801, 0849, 0862, 1084 TR369bB





CWG61B

## 纱线密度光栅 Yarn Density Light Tester

用途：线密度光栅，通过折射光可快速确定针织或机织物每厘米或每英寸内的纱线根数。

Throughfractive light can quickly determine the number of yarn-kan per cm per inch of knitweara and fabrics.

TNG61A 坚韧弹性塑料材质,分成三组 Tenacious flexible plastic material 3 groups

Model A, Range 100-170 lines/inch Model C, Range 20-90 lines/inch

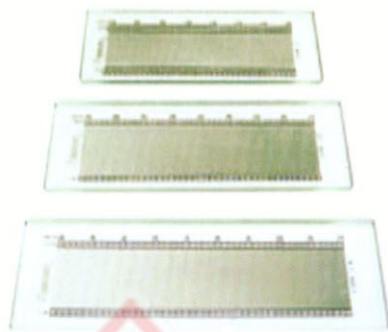
Model E, Range 50-120 lines/inch

TNG61B 透明玻璃材质,分成五组 Transparent glass material 5 groups

Model LA, Range 30-120 lines/inch Model LD, Range 50-140 lines/inch

Model LB, Range 90-170 lines/inch Model F, Range 120-190 lines/inch

Model LG, Range 170-240 lines/inch



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CWG62

## 雾化性测试仪 Fogging Test Chamber

适用于汽车内饰材料，如PVC、纺织品、皮革、非织造布等材料在高温下其挥发性成分蒸发情况的评价，亦可用于车前氙气灯高温雾化现象的测定。

To determine the fogging characteristics of automotive interior trim of textiles, plastic or leather. Fogging is the residue deposited on interior glass of chemicals released from materials under specific temperature conditions

技术指标Techniques:

测试仪尺寸Testing Dimensions:

烧杯beaker: 外径Outside diameter:  $(90 \pm 2)$  mm, 高Height:  $(190 \pm 5)$  mm, 最小质量least Quality: 450g.

金属环Ferrule: 外径Outside diameter:  $(80 \pm 1)$  mm, 内径Inside Diameter:  $(74 \pm 1)$  mm, 质量Quality:  $(55 \pm 1)$  g.

密封圈Obturator Ring: 内径Inside Diameter  $(95 \pm 1)$  mm, 厚Thickness  $(10 \pm 1)$  mm, 硬度Hardness  $(65 \pm 5)$  IRHD.

测试玻璃片Testing sheet glass: 厚Thickness  $(3.0 \pm 0.2)$  mm, 最小尺寸Least Dimensions:  $110\text{mm} \pm 110\text{mm}$ .

垫片Gasket: 厚Thickness  $(0.10 \pm 0.02)$  mm, 带有刻度Including scale.

刷子Brush: 直径为Diameter 8mm.

模刀: 直径Diameter  $(80 \pm 1)$  mm

滤纸Filter Paper: Diameter直径125mm.

铝箔片Aluminum foil: 厚Thickness  $(0.030 \pm 0.005)$  mm, 圆形Roundness, 直径Diameter  $103 \pm 1$  mm.

标准Standards : DIN 75201, ISO 6452, SAE J1756, QB/T 2728, BS EN 14288, PV 3920, PV3015, ES-X83231, NES M0161, D45 1727, GM 9305P, TSM 0503G

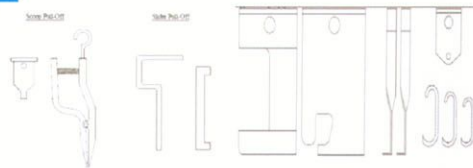


CWG63

## 拉链测试套具 Zip Fastener Test Tools

拉链测试套具,需要配合拉力机使用.需注明夹具安装规格.

Using cooperated with Pulling Tester, need specification of clamp installing.



CWG64

## 实验室轧水机 Laboratory Wringer/Padder

实验室轧水机,可将织物上的多余水分均匀挤压去除.工作宽度: 12英寸 (300mm), 氯丁橡胶轧辊: 21/8英寸 (54mm) 直径.驱动速度: 25mm (1英寸) /秒.静态负荷可高达105lb (50kg) × 5lb (2.3kg). 可卸式液槽。

To evenly squeeze or extract excess liquid from fabrics. 12" (300mm) working width with neoprene rollers 2 1/8" (54mm) diameter. Drive speed 25mm (1") per second. Dead weight loading up to 105lb (50kg) × 5lb (2.3kg). Detachable liquor trough (optional).



CWG65

## AATCC 快速度耐摩擦测试仪 AATCC Rapid Wear Resistance Tester

该机适用于纺织品和针织品,对非常自然、经常随意的轻摩擦的耐摩擦强度进行评价测试试验机。在内臂贴有摩擦纸并安装有扇翼的圆筒内装入试样,使金属制的扇翼高速旋转,通过比较试样在磨耗前和磨耗后的质量变化,由下式求出质量减少率。据此对耐耗强度进行评价。



This machine is suitable for textiles and knitwears, evaluates the rubbing resistance intensify in a suitable friction in a cylinder with fan wings and rubbing paper interior. The metal fan wings rotate rapidly with the sample in it, compare the quality changes before and after wearing, obtain the reduction rate from the following formula, and estimate the friction consumption intensify.

技术指标Techniques:

试验筒内径Test cylinder interior Dimensions : 140×70mm  
扇翼速度Fan wings speed : ~3300min-1  
旋转速度表示Rotation speed : 数字显示 (4位) digital 9999  
时间显示Time display : 数字显示(4位、99h59min) digital 9999  
外形尺寸Dimensions: 200×450×250mm(L×W×H)  
重量weight : 15kg  
标准Standard: ASTM D1175 AATCC 93 M&S P26



CWG66

### 快速恒温恒湿调节箱 Laboratory Conditiong Chambers

快速恒温恒湿调节箱, 将高流速率恒温恒湿气流通过样品, 在几分钟之内使至多 100块样品 (棉或其它天然纤维试样) 的温湿度达到要求。可容纳4-6层样品盘。

采用镜面不锈钢内胆, 四角半圆弧易清洁, 箱内搁板间距可调。微电脑温度控制器, 控制温度、湿度精确可靠。

采用双层玻璃门观察窗, 观察方便明了。具有超温、压缩机过热、缺水等保护功能。

- 1、采用原装进口微电脑大型液晶LCD (320\*240 dots) 中英文显示控制系统。
- 2、高功能大容量可设定程式120 patterns; 1200 steps; 999\*999 cycles, 程式间并可任意串接 (LINK) 执行, 无限次重复循环测试, 每段时间最大设定99Hrs 59Mins
- 3、具程式修正、清除、预约启动、停电记忆等功能。
- 4、升温、降温、加湿、除湿之所有元件, 完全由微电脑自动控制, 系统个别完全独立。

Laboratory Cotion Chambers will be high flow rate of airflow through the sample, within a few minutes to up to 100 samples (cotton or other natural fiber samples) to the temperature and humidity requirements. Samples can accommodate 4-6 layer disc

A stainless steel interior mirror, 1.40 semi-circular easy cleaning, Box Geban adjustable spacing. Microcomputer temperature controller, control temperature, humidity accurate and reliable. Using double-glass door window of observation, observation facilitate understanding. Extreme temperature, compressor overheating, such as protection of water shortage

- 1、Microcomputer imports of large-scale use of original LCD LCD (320 \* 240 dots) in the English show control system.
- 2、High-Performance high-capacity program can be set 120 patterns; 1200 steps; 999 \* 999 cycles, and arbitrary series connection between the program (LINK) implementation, unlimited repeat cycle test, each time the largest set 99 Hrs 59Mins
- 3、A program that, clearance and start booking, memory blackouts, and other functions.
- 4、Heating, cooling, humidification, dehumidification of all components, fully automatic control by the microcomputer, the system of individual fully independent

CWG66A 100L

CWG66B 150L



CWG67

### 实验室空调系统 Laboratory Air-condition System

阿尔法系列恒湿精密空调机专为实验室进行精密的温湿度控制, 有直接膨胀和冷冻水制冷两种, 全智能操作, 对温度和湿度进行精密控制。

- 1、控制精密。机组采用比例积分控制方式。通过检测机房的温, 湿度的变化速度来判断机房的发热量和散湿量从而调节机组对热量和湿度的工作量和反应速度。打破了原来的“死点开, 停”的控制方式, 保证了机房要求的高精密的温湿度。
- 2、使用寿命长。机组采用高性能涡旋压缩机兼用防液击低负荷启动装置, 使制冷的核心部份的寿命大大提高。在合用时间最长的室内电机和风机方面, 机组采用高速耐磨轴承, 设计使用寿命为10万小时。在实际上应用中98%以上的机组均达到了自身十年故障运行的记录 (其实机组发生的故障一般都来源于安装隐患。)
- 3、操作方便, 使用方便, 易于维修。

Aisedale air-conditioning is specilized in temperature and humidity controlling for laboratory, direct expansion and chilled water cooling, the entire intelligent operation, to control the temperature and humidity precisely.

1、Control precision. Unit proportional integral control. By detecting the room temperature and humidity to determine the rate of change in the engine room of the heat and scattered wetlands in order to adjust to the heat and humidity crew workload and reaction speed. Broke the original “dead spots open, stop” control mode to ensure that the requirements of the engine room of the high-precision temperature and humidity.

2、Long life. Scroll compressor units used the use of high-performance liquid-activated device hit a low load, so that cooling the core of life greatly improved. In sharing the longest indoor motor and fan, the crew used high-speed bearing wear-resistant, for the design life of 100,000 hours.

标准Standards: ISO139/187 BS EN 20139/20187 DIN 53802 ERT 60-1 ASTM D1776 M&S





Verivide 标准光源箱, 可在标准光源条件下对颜色进行视觉评价。隔膜控制面盘, 数字计时器电子平衡控制。为国际上最通用之标准光源箱。

Verivide matching boxes, the standard conditions of light color visual evaluation. Divide control facial disc, digital timer electronic balance control. For the most common international standard light box.

CAC60 进口标准光源对色灯箱

CAC60 Imported Colour Matching Cabinets

品牌Brand: VeriVide(英国)

配置 Random allocation: D65, TL84, F, UV 四种光源

重量 Weight: 25Kg

外形尺寸 Dimensions: 710×420×570 mm (L×W×H)

CAC120 进口对色灯箱

CAC120 Imported Colour Matching Cabinets

品牌 Brand: Verivide(英国)

配置 Random allocation: D65, TL84, F, UV 四种光源。

外形尺寸 Dimension: 1300×620×780 mm (L×W×H)

重量 Weight: 50kg

标准Standards: BS950 DIN6173 NEXT 11 ASTM M&S C1, C2 ISO DIN6173 JIS



CWH01A CAC60 (四光源) CWH01C CAC120 (四光源)

分开记录每钟光源的使用时间, 采用轻触开关, 全电脑控制, 多种光源快速切换采用进口配件、国内名优产品测试室采用Verivide原装油漆(与Verivide CAC60颜色一致) D65灯管采用Verivide 原装灯管。

Recorded separately from each source minutes of use, modern touch switch, the entire computer control Fast switching multiple light sources using imported parts, Testing Room domestic famous quality products used Verivide original paint (color Verivide CAC60 line) D65 lamp used Verivide original lamp.

CWH02A 标准型 Standard Model A

配置 Random allocation: UV, F, D65, TL84 四种光源

外形尺寸 Dimension: 710×405×570 mm

重量 Weight: 28Kg

TNH02B 标准型 Standard Model B

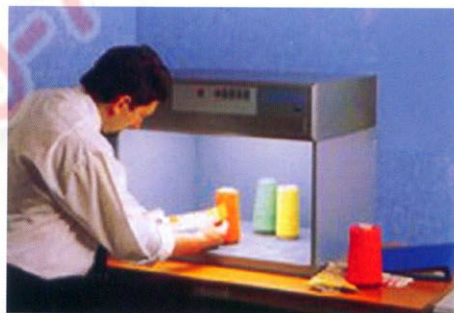
配置 Random Allocation: D65, TL84, CWF, F, UV 五种光源

外形尺寸 Dimension: 710×405×570 mm (L×W×H)

重量 Weight: 30Kg

标准Standards: BS950 DIN6173 NEXT 11 ASTM M&S C1, C2

ISO DIN6173 JIS



Judge II 设计精巧, 容易携带。

具有专利技术改良显色的能力。日光灯管的七种磷光涂料, 使显色更加精确。能提供现今最逼真的人工仿真自然日光的灯管。

Judge II design sophistication, easy to carry. Patentable technology to improve color capacity.

Fluorescent tubes seven phosphors coating, so that more accurate color.

Can now provide the most realistic simulation of artificial natural daylight lamp.

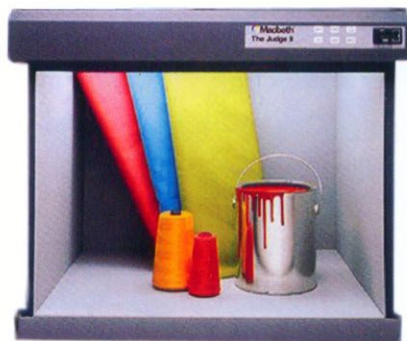
品牌Brand: GretagMacbeth(美国)

配置 Random allocation: D65, TL84/U30, INCA, UV, CWF 五种光源

外形尺寸 Dimensions: 690×570×570 mm (L×W×H)

重量 Weight: 15.9Kg

标准Standards: ASTM D1729 ISO 3664 DIN, ANSI & BSI, JIS, AS, GM, SAEJ361





CWH04

### Judge III 标准光源对色灯箱 Judge III Colour Matching Cabinets

Judge III 标准对色灯箱提供世界上最精确的仿真光,更快速完成对色任务。具有数码显示,自动省电装置及六组独立计时器。

The Judge III standard provides in the world to the color light box the most precise simulation light, Fast completes to the color duty. Has the numerical code to demonstrate, automatic province electricity installment and six groups of independent timers.

品牌 Brand: GretagMacbeth(美国)

配置 Random allocation: D65, TL84/U30, INCA, HOR, UV, CWF 六种光源

外形尺寸 Dimensions: 942×653×940 mm (L×W×H)

重量 Weight: 70Kg

标准 Standards: ASTM D1729 ISO 3664 DIN, ANSI & BSI, JIS, AS, GM, SAEJ361



CWH05

### AATCC 成衣观察板 AATCC Clothing observation plate

AATCC观察板可评定服装及其他纺织品在多次洗烫后平织物和接缝外观的平整性, 及压痕的保留性。

This instrument can be used to evaluate the flat level and press trace reserving of clothing and textiles after washing or waving many times.

技术指标 Techniques:

灯管 Lamp: 1200mm × 2 CWF

电源 Power: 220V 50HZ

外形尺寸 Dimensions: 1850×1000×2500mm (L×W×H)

标准 Standards: AATCC 88B 88C 124 128 143 178 NOXT TM24/TM30



CWH06

### 手动摩擦色牢度测试仪 Crockmeter/Rubbing Fastness Tester

AATCC/ISO标准摩擦色牢度测试仪, 用以检测织物的干/湿摩擦色牢度。

To determine the colour fastness of textiles to drey or wet rubbingh.

技术指标 Techniques:

摩擦头直径 Rubbing head diameter: 16mm

垂直压力 Vertical pressure: 9N±10%

摩擦头行程 Rubbing head track: 104/100mm (可调整 Can be adjust)

仪器尺寸 Dimension: 660×160mm×215mm (L×W×H)

重量 Weight: 6kg

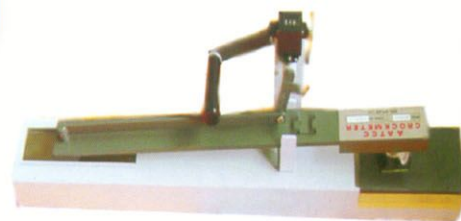
附件 Accessories:

AATCC 摩擦布 AATCC rubbing clothing 1盒 (box)

砂纸 Sand paper 2张 (pcs)

指环套 Rings 2个 (pcs)

标准 Standard: BS 1006 D02 ISO 105×12/D02 M&S C8 AATCC 8/165 Bs4655 NEXT 6



CWH07

### AATCC 旋转式磨擦色牢度仪 AATCC Rotary Crockmter

AATCC旋转摩擦计色牢度测试仪, 用以检测织物特别是印花织物的干/湿摩擦色牢度, 16mm直径摩擦头。可提供1134克压力, 顺时针摩擦1.125转后反时针摩擦, 而操作把手只是单向转动。

To determine the colour fastness of textile to dry or wet rubbing particularly for printer fabrics, Applies 1134 grams of pressure on a 16mm finger and rotates 1.125 turns clockwise then anti-clockwise. The operating handle is however turned in one direction only.





技术指标 Techniques:

试样承受重量 Sample pressure: 1143g

摩擦头直径 Rubbing head diameter: 16mm

外形尺寸 Dimension: 250×145×150mm (L×W×H)

重量Weight: 3kg

附件Accessories:

AATCC摩擦布 AATCC rubbing clothing 1盒 (box)

砂纸 Sand paper 2张 (pcs)

指环套 Rings 2个 (pcs)

标准 Standard: AATCC 116

CWH08

**AATCC 电动摩擦色牢度测试仪**  
**AATCC Electronic Crockmeter**

电动摩擦色牢度测试仪, 用以检测织物的干/湿摩擦色牢度, 适用于经常性或长周期测试配有电子预置计数器 (可计9999次摩擦)。

To determine the colour fastness of textiles to dry or wet rubbing. A pinned acrylic sample holder ensures rapid sample mounting and repeatability of results. Fitted with a pre-determined electronic counter for strokes up to 9999.

技术指标Techniques:

摩擦头直径 Rubbing head diameter: 16mm

垂直压力 Vertical pressure: 9N±10%

摩擦头行程 Rubbing head track: 104/100mm (可调整Can be adjust)

外形尺寸 Dimension: 600×230×260mm (L×W×H)

重量 Weight: 9.5k

附件Accessories:

SDC 摩擦布 SDC rubbing clothing 1盒 (box)

砂纸 Sand paper 2张 (pcs)

指环套 Rings 2个 (pcs)

标准(Standards): BS 1006 D02 ISO 105×12/D02 AATCC 8/165 BS 4655



色牢度, 缩水 colour fastness, shrinkage

CWH09

**电动摩擦色牢度测试仪 (日本标准)**  
**Colorfastness / Rubbing Tester (Japan Standard)**

主要用于染色纤维制品的耐摩擦色牢度的评价和判定。用干燥或湿润之白棉布扎于本机之磨擦槌表面,以一定之荷重及次数,摩擦有色试片后,对照灰色标,评定染色摩擦坚牢度等级。亦可做为有机溶剂之摩擦试验。

Mainly uses in dyeing the textile fiber product to bear the friction color fastness the appraisal and the determination. With is dry or the moist white cotton fabric grips friction mallet surface Yu Benji, By certain load capacity and number of times, After rubs colored previews, Comparison ash color code, Evaluates the dyeing friction fastness rank. Also may do of friction test for the organic solvent.

技术指标Techniques:

测试样品数: 6组.配置200克与500克两套测试头

Quantity of samples : 6 groups,equipped with 200 gramms and 500 gramms test heads

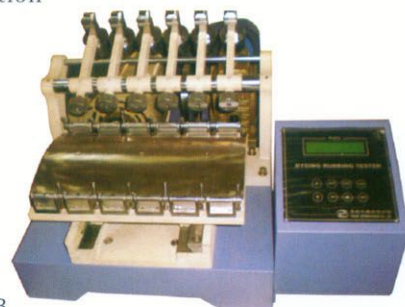
配重砝码 Count weight : 200g 500g

摩擦速度 Rubbing speed : 30rpm

外形尺寸 Dimensions : 560×550×340mm(L×W×H)

重量 Weight : 57kg

标准 Standards: JIS-L0801,0823,0849,1006,1084,K6328,P8136, TR369B

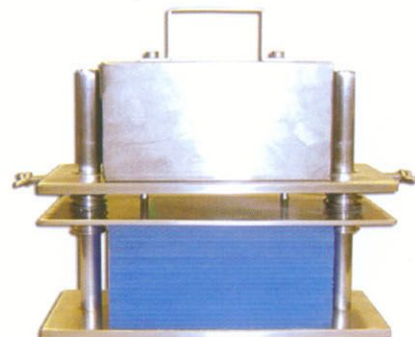


CWH10

**耐汗渍色牢度测试仪**  
**Perspiration Tester**

耐汗渍色牢度测试仪, 可测定纺织品对耐水和耐汗渍的色牢度。本仪器提供1个不锈钢样品架, 可容纳20个10cm×4cm试样。提供BS、ISO和AATCC丙烯腈分隔板。提供BS、ISO和AATCC标准压重物, 要求使用高精度烘箱。

Determine the textile to water resistant and bears perspiration color fastness. This instrument provides 1 stainless steel sample frame, may hold 20 10cm×4cm test specimens. Provides BS, ISO and the AATCC propylene nitrite separator inserter. Provides BS, ISO and the AATCC standard presses the heavy item, the request use high accuracy drying oven.





技术指标Techniques:

AATCC砵码重量 Count weight: 3.63kg(8LB)

ISO砵码重量 Count weight: 4.08kg(9LB)

压板重量laminat Weight:0.90kg (2LB)

外形尺寸Dimensions: 165×75×145mm(L×W×H)

标准 Standards:

汗渍-AATCC 15, EN ISO 105 Part E04, DIN 54020

海水-AATCC 107, EN ISO 105 Part E02, DIN 54007

清水-AATCC 106, EN ISO 105 Part E01, DIN 54006

浸入PVC-ISO 105 Part X10, DIN 54072

CWH11

精密烘箱 (配合耐汗渍色牢度测试仪)  
Precision oven(With perspiration tester)

- 1、箱体内均采用镜面不锈钢弧氩焊制作而成,箱体外采用优质钢板,造型美观。
- 2、采用具有控温保护、数字显示的微电脑温度控制器,带有定时功能,控温精确可靠。
- 3、热风循环系统由能在高温下连续运转的风机和合适风道组成。工作室温度均匀。
- 4、定时范围:1-9999min
- 5、温度波动:±1%(满量程)

1、Box in vivo uses the mirror surface stainless steel arc argon to weld the manufacture but to become, box in vitro uses the high quality steel plate, the molding is artistic.

2、Uses has controls the warm protection, the digital demonstration microcomputer temperature controller, has fixed time the function, controls warm precise is reliable.

3、The hot blast circulatory system by can the continuous working air blower and the appropriate air flue is composed under the high temperature. The work indoor temperature is even.

4、Fixed time scope: 1-9999min

5、Temperature fluctuation: ±1% (full measuring range)

技术指标Techniques:

控温范围Temperature Range : RT+10-200℃

温度分辨率Temperature distinction rate : 0.1℃

工作环境温度Work Temperature : +5-35℃



CWH12

升华牢度测试仪  
Scorch/Sublimation Tester

耐熨烫/升华牢度测试仪乃熨烫,本仪器可测试织物的熨烫色牢度及干热条件的尺寸稳定性还可测试升华牢度,样品被置于上控制器及精密控制的上、下两个加热片之间,两个加热板的温度和之间的间距可调。采用电子温度控制器及精密控制的上加热片重量。测试温度范围:120-230℃。

Sublimation fastness test device can test fabrics Ironing color fastness and hot dry conditions of dimensional stability can test sublimation fastness. Heating Plate temperature and the distance between adjustable.

Electronic temperature controller and precision control of the weight on the heating unit Test temperature range: 120-230℃

CWH12A 1对测试片 1 pair of test pieces: 4英寸×1.13英寸 (102×9mm)

CWH12B 1对测试片 1 pair of test pieces: 5英寸×5英寸 (125×125mm)

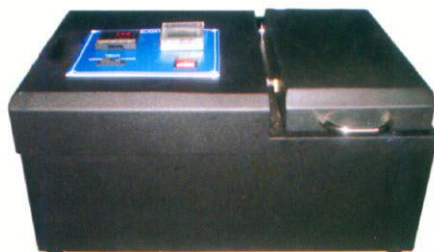
CWH12C 3对测试片 3 pairs of test pieces: 4英寸×1.13英寸 (102×29mm)

每对测试片的温度都可独立控制

The temperature of every pair of pieces can be controlled independent.

标准 Standard: ISO 105 BS 1006 AATCC 92, 114, 117, 133

DIN 54022/54060 JIS L0879 JIS L0850,L0879 GB/T 5718,6125



CWH13

水洗色牢度测试仪  
Color Fastness Tester

水洗色牢度仪, 不仅可测试水洗色牢度还可进行干洗色牢度测试。仪器设计参数同时符合ISO,BS,AATCC,JIS和SDC标准。本仪器全不锈钢制作, 配有程序计时器, 数字式温度控制器, 出水阀门及水洗罐配有方便安全的锁动开关, 操作方便。安全装置: 缺水报警, 超温报警, 开门报警, 测试完成提示。特别的防锈装置, 转速为40PRM, 工作温度高达95度



For conducting washfastness testing, dyeing, dry cleaning, colorfastness to fulling, detergency and other tests at temperatures up to 95oC. Stainless steel rotor holds five specimen containers on each of four sides and rotates at a constant 40 rpm (+/-2 rpm). Containers are preheated in appropriate test solution. Stainless steel balls provide agitation during rotation. Containers are sealed with either a Neoprene rubber gasket or optional Teflon gasket.

技术指标Techniques::

转速 Rotation speed: 40±2/rpm

AATCC钢杯容积 AATCC cup volume: 1200ml

ISO钢杯容积 ISO cup volume: 550ml

电源Power: 380V/30A, 4.5KW

型号 Model	外形尺寸 Dimensions	重量 Weight
CWH13A 4 (AATCC) +6 (ISO)	765×485×700mm(L×W×H)	约50kg
CWH13B 8 (AATCC) +8 (ISO)	1120×600×1130mm (L×W×H)	约120kg
CWH13C 8 (AATCC) +12 (ISO)	1120×600×1130mm (L×W×H)	约120kg
CWH13D 12 (ISO)	1120×600×1130mm (L×W×H)	约120kg
CWH13E 16 (ISO)	1120×600×1130mm (L×W×H)	约120kg
CWH13F 20 (ISO)	1120×600×1130mm (L×W×H)	约120kg
CWH13G 12 (AATCC)	1120×600×1130mm (L×W×H)	约120kg
CWH13H 16 (AATCC) LCD	1120×600×1130mm (L×W×H)	约120kg

附件Accessories : 50粒钢珠/罐 50片干洗片  
50 steel ball / can 50 pcs of dry cleaning tablets

标准 Standards: ISO 105 M&S C4A, 5, 37,  
P3B IWSTM 7,115,177,193,240,241 AATCC  
2,3,28,61,62,86,132, 151, 190  
FTMS 191-5610/5622 BS 1006 NEXT 2, 3, 5



CWH14

臭氧色牢度测试系统  
Ozone Test Chamber

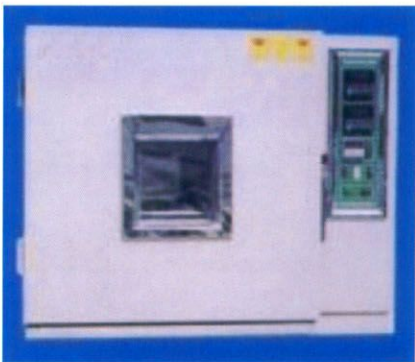
将样品放置于一定浓度的臭氧环境中,直到发生一定色变或规定时间后与标准图卡比较.

Samples will be placed in a certain concentration of ozone environment, until definite colors or after the specified time and the standard graphics card comparison.

技术指标Techniques:

1. 温度控制范围 emperature range: 室温(room temperature)+10℃~ 60℃
2. 温度均匀度 temperature uniformity: ±1℃
3. 臭氧浓度 Ozone concentrations: 可调范围 20–200pphm
4. 工作室尺寸 (深×宽×高) Studio Dimensions: 400×400×200mm
5. 可以同时测试16块样品 Can test 16 samples

标准Standards: AATCC 109 ISO 105-G03



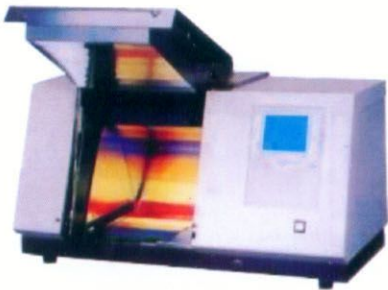
CWH15

台式日晒牢度机  
Desktop Sun Fastness Tester

风冷式氙灯,辐射度显示并控制,可设置为250-1000W/m2, 标准温度显示并控制,选择性测试和显示测试室内的温度及相对湿度。可自由设定15种测试标准,微处理器控制,四行液晶显示屏,使用最强紫外辐射的280 nm滤片。

Air-cooled xenon lamps, radiation display and control, can be set as 250-1000 W/m2, and standard temperature display and controlled, selective test and display the indoor relative humidity and temperature. Be free to set up 15 testing standards, microprocessor-controller, and four lines of LCD screen, use the strongest ultraviolet radiation 280 nm filter.

外形尺寸Dimensions : 775×521×648mm (L×W×H)  
重量Weight : 50kg  
标准Standards: AATCC 16 169 ISO 105 B02 B06





用于染色牢度试验中的耐光色牢度及耐气候色牢度试验，也可用于油漆、颜料、涂料、橡胶、塑料以及纸张等其它材料的耐光色牢度试验和光老化试验。

Used for color fastness-to-light,color fastness-to-whether,color fastness-to-light and sweat and light aging test of various colored textiles and other materials.

技术特性Technology feature:

1、仪器性能符合GB、ISO、AATCC等标准对测试的要求。

The instrument conforms to the standards ISO, GB, AATCC.

2、光照强度数字设定,实时监控,自动调节，以符合不同标准对测试光源的稳定要求  
Digital light intensify settings, real-time monitor, automatic adjustment, to meet with the light resource stability requests of different standards.

3、黑板温度计 (BPT)、标准黑板温度计 (BST)、光幅射计所测数据采用无线射频技术同步传输，直接显示在彩屏上，无须停机观察

The measured data adopts radio frequency techonology to transfer synchronously, and display on the colour screen, need not stop to observe.

4、无线传输采用光能转化技术提供能量,无须另置电源。

Cordless transmission using solar energy conversion technologies to provide energy and need not other powers.

5、超大彩色液晶屏显示，多种试验监控模式，操控方便，直观清晰。

Super colour LCD, various test monitor models, simply operate, directly and clear.

6、所有试样夹实现分别计时，可进行不同试样同机实验，方便测试监控，降低运行成本

All the sample clamps to be timed separately, can carry on testing on one machine but with different samples, make monitor convinient, and reduce the cost.

7、额定3500W长弧氙光灯技术，真实模拟日光光谱。

Fixed 3500 W long-xenon light technology, truly simulste daylight spectrum

8、工业温控(制冷)系统,试验仓内温度调节迅速平稳。

Industrial temperature cotrol system, the temperature of test cabinet can be adjusted rapidly to be stable.

9、超声波加湿,专业除湿系统,确保试验湿度准确稳定。

Ultrasonic with wetting, professional dehumidification system to ensure testing humidity stabilit

10、内设自循环系统和空气滤清系统,对环境要求大幅降低。

Equipped with circulatory system and air filtration system, the environmental requirements greatly reduced.

11、一次测试可连续1000小时运行之品质保证。

Can work for 1000 hours continously at once, have superior quality.

光源Source: 氙弧灯Xenon arc lamp

电源Power: 3.0 KW

尺寸Dimensions: 900 × 500 × 1650mm (L × W × H)

标准Standards: GB/T16999, 8427,8430; FZ/T75002; ISO105-B06-B04, and so ,105.



Q-Sun 氙灯试验机采用能最大吻合性地模拟自然界全阳光光谱的氙弧灯来再现不同环境下存在的破坏性光波，从而可以极好的对材料进行耐光性与耐候性加速试验。可用于新材料的筛选、改进现有材料或评估材料成份变化后耐用性的变化等试验。

Q-Sun xenon lamp test machine used to simulate the largest accord with the natural world-wide spectrum of sunlight Xenon arc lamp reproduction under different environments to the destructive wave, affordable xenon arc instruments with sophisticated controls for optimal weathering and lightfastness testing

特点Feature:

全日光光谱 Light Spectrum

太阳眼光辐照度控制系统 light monitor control System

黑板温度和试验箱空气温度控制 Chalkboard and testing air Temperature control

相对湿度控制 Relative Humidity control

水喷淋功能 Sprinkler function

光辐照度的均匀性Illumination of uniformity

标准Standards: AATCC 16 169 ISO 105 B02 B06





将样品放置于一定浓度的烟熏环境中,直到发生一定色变或规定时间后与标准图卡比较。

To determine the colorfastness of textiles when exposed to atmospheric oxides of nitrogen derived from the combustion of gases. Includes stainless steel exposure chamber, rotating sample rack, standardised gas burner, test duration timer and exhaust port (to be connected to extractor system). Temperature and Humidity reading module included.

标准Standard: AATCC 23 Bs1006 1990-G02



此装置和消耗品用于评估在运输和储存过程中纺织品泛黄的概率。适用于白色或浅色纱线, 织物或经过后整理的成衣。仅适用预测氧气或氮气引起的泛黄。

This installment and the consumables use in appraising exudes the yellow probability in the transportation and the storage process China Textile Construction Company fabric. Is suitable in the white or the tinted yarn, after the fabric or passes through the ready-made clothing which reorganizes. Only is suitable the forecast oxygen or the nitrogen causes exudes yellow

货号Model:

CWH21A Phenotest试纸(indicator paper) 100×75mm

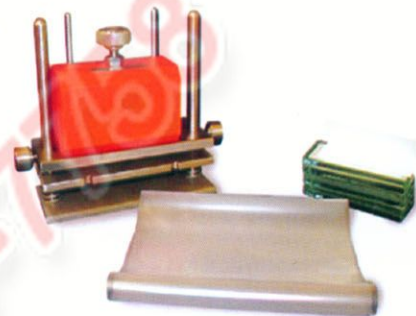
200张/包 200Pcs/ Box

CWH21B Phenotest控制织物(control fabric)100×30mm

40片/包 40Pcs/Box

CWH21C Phenotest BHT-软塑料膜(BHT- soft plastic membrane)

20m×610mm/包 20m x 610mm/ Box



美国AATCC指定的标准缩水率测试机。

该机通过对纺织品一次或多次家庭式洗涤后来量度纺织品的收缩率或伸长率, 也可进行各种洗后外观评测。

American AATCC assigns standard shrinkage test machine. This machine through either the family type washed many times to the textile afterwards measures the textile the shrinkage or the elongation ratio, after also might carry on each kind to wash the outward appearance evaluation.

CWH22A Whirlpool 惠尔浦洗衣机

Whirlpool Washer

CWH22B Kenmore 标准洗衣机

Kenmore Washer

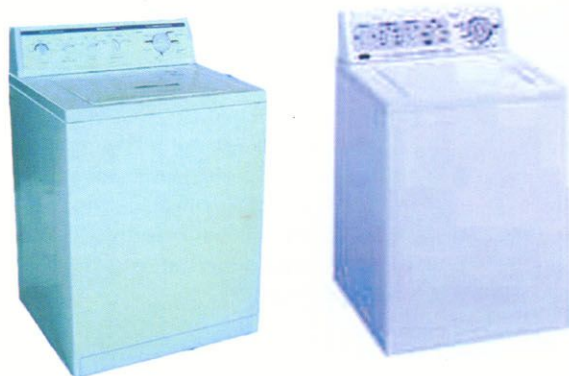
技术指标Techniques:

转动形式Wheel Form : 搅伴式 Whiping

包装重量Weight : 80kg

外形尺寸Dimensions: 1100×680×700mm(L × W × H)

标准 Standaeds: AATCC 88B+C, 124, 130, 135, 142, 143, 150, 172, 179.





CWH23

## AATCC标准干衣机 AATCC Standard Clothes Dryer

美国AATCC指定的干衣机与AATCC标准洗衣机配套使用。

American AATCC assigns standard clothes dryer, with AATCC standard washer

CWH23A Whirlpool 标准干衣机 Whirlpool Dryer

CWH23B Kenmore 标准干衣机 Kenmore Dryer

技术指标Techniques:

转动形式Wheel Form: 滚筒式Roller

净重Weight: 60 kg

外形尺寸Dimensions: 1100×750×720mm(L×W×H)

备注: 购买一套, 送AATCC缩水板及缩水尺

Note: Purchases a set, Delivers the synaeresis board/Shrinks the draft

标准 Standards: AATCC 88B+C, 124, 130, 135, 142, 143, 150, 172, 179.



CWH24

## NIKE 标准洗衣机 NIKE Standard Washer

德国MIELE洗衣机 German MIELE washer,

NIKE指定标准洗衣机 NIKE assigns the standard washer

技术指标Techniques:

洗衣量Washing Count: 5.5kg

最大转速度The most Rotate Speed: 1400rpm

加热功能Heat up Function: 5KW

外形尺寸Dimensions: 850×90×715mm(L×W×H)

电源Power: 220V 2×16A



CWH25

## ADIDAS 标准洗衣机 ADIDAS Standard Washing Machine

意大利ZANUSSI洗衣机 Italy ZANUSSI washing machine

ADIDAS标准洗衣机 ADIDAS standard washing machine

ADIDAS指定洗衣机 ADIDAS designated washing machine

技术指标Techniques:

转速选择Rotate Speed: (1600/1200/900/700RPM)

洗衣量Washing Count: 5kg

外形尺寸Dimensions: 850×600×610mm(L×W×H)

电源Power: 220V 2×16A



CWH26

## Wascator FOM 71 CLS国际标准洗衣机 Wascator FOM 71 CLS International Washerr

Wascator FOM 71CLS国际标准水洗机, 标准参照水洗机。微处理器控制, 可存贮和设计99个水洗及甩干程序(可通过键盘输入, 存贮器存贮)。该测试单元依据BS、ISO和IWS标准设计。设有自动洗剂分配器, 可进行多次连续水洗、脱水而无需间断。

Wascator FOM 71CLS international standard laundering machine, standard reference laundering machine. The microprocessor control, may store and design 99 laundering and flings does the procedure (to be possible through keyboard entry, memory storage). This test unit rests on BS, ISO and the IWS standard design. Is equipped with the automatic lotion divider, may carry on the continual laundering, the dehydration but does not need many times interrupted.

P1,P1A,P3A,P12,P91,P99,P99A,P134 BS EN 25077/26330IWSTM 31IEC 456

外形尺寸Dimensions: 660×630×1070mm (L×W×H)

重量Weight: 123kg

标准 Standards:ISO 5077/6330M&S





CWH27

## M&S标准转筒烘干机 M&S Precision Tumbler Dryer

数字式精密转筒烘干机，属改进型标准转筒烘干机，增加了电子控制功能，可在1秒钟内准确调控出口温度（ $\pm 1^{\circ}\text{C}$ ）和循环时间。5kg容量，正反转，冷却时间10min。

The digital precise tumbler dryer, is the advanced version standard tumbler dryer, increased the electronic control function, may in 1 second in accurate regulation outlet temperature ( $\pm 1^{\circ}\text{C}$ ) and the cycle time. The 5kg capacity is reversing, cooling time 10min.

技术指标Techniques:

滚筒直径Roller Diameter : 55.8cm

名义深度Nominal Depth : 38cm

体积Volume : 95L

旋转速度Rotate Speed : 50rpm

冷却时间Cooling Time: 10分钟（固定的）10mins

外形尺寸Dimensions : 595×610×850mm (W×L×H)

标准Standards : M&S P1A,P3A,P3B,P4,P4D,P12,P99A,P91,P134, EN ISO 6330 1997



色牢度, 缩水 colour fastness, shrinkage

CWH28

## 滚筒式干衣机 Tumble Dryer

采用不锈钢滚筒，微机控制合理的烘干温度，没有烘干结束前自动转为冷风散热功能，工作噪音小、运转稳定安全，并带有意外开门自停安全装置，烘干时间可以自由选择。

Use stainless steel drum, computer controlled drying reasonable temperature, there is no automatic drying before the end of the cold wind and heat to function, noise-small, stable and secure operation, and open the door with accidents since stopping safety devices, drying time can be freely chosen.

滚筒直径 Drum diameter : 58cm

滚筒容积 Drum volume : 100L

滚筒转速 Drum speed : 50r/min

提升片数量 Hoisting pieces : 3片

额定干衣容量 Drying capacity : 5kg

受控出风口温度 Outlet temperature :  $<80^{\circ}\text{C}$

外形尺寸 Dimension : 860×580×595mm (L×W×H)

重量 Weight : 38kg



CWH30

## 自动织物缩水率试验机 Automatic Shrinkage Testing Machine

用于对棉、毛、丝、麻、化学纤维、针织等各种织物进行洗涤缩水率试验。

To determine the shrinkage of cotton, feather, hemp, chemistry fibre etc...

技术指标Techniques:

洗涤容量Washing Count: 5kg

滚筒转速Roller speed :

洗涤时Washing time: 52r/min

脱水时Dehydrating time: 500r/min

加热方式Calefacting mode: 恒温自动控制Automatic control of Constant temperature

外形尺寸Dimensions: 595x560x850mm

电 源Power : AC220V, 50Hz

标准Standarads : GB/T8629 ISO6330 GB/T1105





CWH31

### 缩水率烘箱 Shrinkag Testing Machine

用途：用于各类纺织品经缩水试验后的干燥。

This machine is suitable for the textile test chamber to the cotton and kapok, the wool, the silk, the hemp.

技术指标Techniques:

1、温度范围Temperature Range: Room Temperature 室温0~99.9℃, LED

2、控温精度Precision:  $\pm 1^\circ\text{C}$

4、外形尺寸Dimensions: 2000×820×1530mm (L×W×H)

5、电源Power: AC380V, 4.2kW

标准Standards: GB/T8629; ISO6330



CWH32

### 汽蒸测试箱 Steaming Test Box

汽蒸箱含内置式蒸汽发生器检测织物在不受力状态下汽蒸尺寸稳定性，配有不锈钢样品架，可同时检测4块织物，以及自动计时装置。配有汽蒸稳定性缩水率，适用于检测织物汽蒸时的尺寸稳定性。

In the steaming box contains sets at the type steam generator examination fabric under not the stressful condition the steaming size stability, has the stainless steel sample frame, but at the same time examines 4 fabrics, as well as automatic time installment. Has the steaming stable coefficient of contraction ruler, is suitable in the examination fabric steaming time the size stability.

技术指标Techniques:

时间显示 Time Display: LCD 液晶显示 0-99.9S

外形尺寸 Dimension: 730×401×520mm (L×W×H)

重量 Weight: 52kg

标准 Standards: ISO 3005 BS 4323 IWTO 29-76 NEXT 15 M&S P8



CWH33

### Durawash耐洗性能测试仪 Durawash Washing Tester

满足M&S C15和P15测试标准。满足NEXT测试 8A 8B 8C 和 29标准。时间显示，自动报警，自动搅动关闭。数字温度控制。

Satisfies M&S C15 and the P15 test standard Satisfies NEXT to test 8A 8B 8C and 29 standards The time demonstrated, Auto-alarm, Automatically mixes the closure Numeral temperature control

技术指标Techniques:

外形尺寸 Dimensions: 670×590×990mm (L×W×H)

电源要求 Power: 230V, 50-60Hz, 2750W



CWH34

### 定型烘干小样机 tenter Tester

热风直烘试布，温度精确，分布均匀，最高温度为250度，精度+1%。特别针板设计，对于平织布及针织都能适用，可模拟及预测工艺中树脂加工或烘干染料变色的程度，防止助剂及现场条件对色牢度或品质的影响。

Direct hot air drying test fabrics, precision temperature and uniform distribution, the maximum temperature of 250 degrees, +1% accuracy. Special needle plate design, weaving and knitting level can apply, can simulate and forecast Process drying resin processing or change the dye, prevent agents and field conditions on the color fastness or quality.

样布尺寸 Sample Dimension: 360×420mm

针板方面 Needle: 单向 (针只放在布的两端) A one-way (needle only on the two ends of cloth)

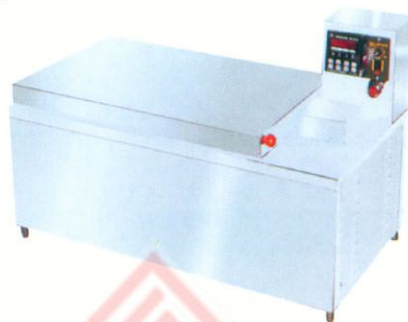
双向 (针放在四面各方向可拉伸30%) Two-way (four needle on the direction is drawing 30%)





特别为实验室用途而设计,加水温度可达98℃,可模拟实际工作条件,具有高重现性和电脑恒温保持控制系统.全机采用优质不锈钢制造,坚固耐用.可调速马达传动,可控制往复次数在15-208次/分钟.

Designs specially for the laboratory use, The watering temperature may reach 98℃, May simulate the actual operating conditions, Has high reappears the nature and the computer constant temperature retains one's hold the system Entire machine uses the high quality stainless steel manufacture, firm is durable May modulate velocity the motor transmission, may control the reciprocation number of times in 15-208/Minute  
外形尺寸Dimensions: 420×770×300mm (L×W×H)



适用于各小样染色及水洗坚牢测试;最高工作温度达140℃;可模拟实际工作条件;配有可编程多功能精密电脑控制系统;具有重现性和电脑恒温保持控制系统。

Suitable in various galley proofs dyeing and the laundering firm test; The highest operating temperature reaches 140℃; May simulate the actual operating conditions; Has the programmable multi-purpose precision computer control system; Has reappears the nature and the computer constant temperature retains one's hold the system.

技术指标Techniques:

试样数量Cup Quantity: 12/24

最高工作温度The Most Temperature: 145℃

升温速度heating-up Speed : 1.5℃~3℃

试杯架速度Testing Cup Speed: 42rpm



GretagMacbeth(Color-Eye)CE7000A电脑测色配色系统采用真正双光束的方式检测, Sample及Reference各具有一组高解析度的光二极管阵列检测被测物之反射光。Sample及Reference光二极管阵列是可以直接互换使用的。配置了原厂标准UV校正值, 稳定性高, 故障率低, 精密度也比较好, 控制面板是采用LCD触摸式按键设计, 独特的双氙弧灯泡, 双积分球之设计, 提高该分光光度仪之再现性, 稳定性及机台之交换性。

GretagMacbeth(Color-Eye)CE7000A adopts dual-beam test method, Sample and the Reference with a group of high-resolution optical diode array detection of the reflected light measured. The light diode array can be directly used in exchange. With original UV standard configuration, high stability, low failure rate, the precision is relatively good, and the control panel LCD is a touch-button design, two unique xenon lamps, dual-accumulated ball design, increase the reproducibility of Brightness instrument, stability and the exchange of apparatus.

技术指标Techniques:

重现性(白板)Reproducibility: <0.01 RMS DE CIELAB

仪器间一致性Consistency between the apparatus: 0.08 Avg. DE CIELAB

光源: 单次闪亮脉冲氙灯, 可自动校正并控制UV

Light source: Pulse xenon lights single flash, automatically correct and control UV

光学结构: d/8积分球结构, 双光束, 光栅

Optics Structure: d/ 8 accumulated ball structure, dual-beam, grating

测量时间: 小于1秒 est time: less than 1 second

光谱范围Spectrum range : 360 nm to 750 nm

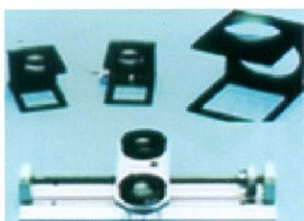
波长间隔Wavelength interval: 10 nm

Photometric Range - 0 to 200%

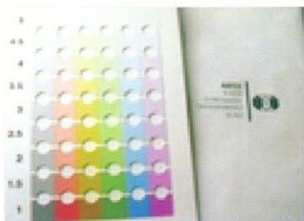




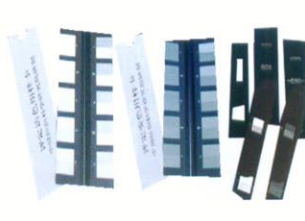
CWI01 织物密度镜  
Fabric Viewers



CWI02 九级比色卡  
Chromatic Transfer Scale



CWI03 标准灰卡(沾, 褪色卡)  
Grey Scales



CWI04A 服装和家居色卡手册-棉布版  
Color Cue TX



CWI04B 服装和家居色彩选色器套装  
Color Chooser Kit



CWI05 服装和家居色彩指南(纸版)  
Color Guide



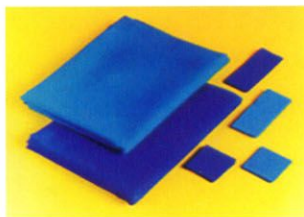
CWI06 Color CueTX测色计  
Color Cue TX



CWI07 Farnsworth-Munsell 100色糊测试套件  
Farnsworth-Munsell 100 Hue Test Kit



CWI08 耐光色牢度标准织物  
Light Fastness Standards



CWI09 湿度控制标准织物  
Humidity Control Fabric B02



CWI10 荧光抑制器  
Fluorescence Suppressor



CWI11 褶裥外观模型  
Crease Appearance Replicas



CWI12 平整外观模型  
Smoothness Appearance Replicas



CWI13 接缝平整度图卡  
Seam Smoothness Photographs



CWI14 Barre 条折痕评价卡  
Barre Assessment Scales



CWI15 AATCC沾污评级样照  
AATCC Stain Release Replicas



CWI16 纺织标准及测试方法  
Textile Standard and Test Method



CWI17 小样脱水机  
Small Sample Dehydration



CWI18 X-Rite爱色丽色差计  
X-Rite Colorimeter



CWI19 白度仪  
White Tester



CWI20 加热磁力搅拌器  
Heating Magnetic Stirrer



CWI21 CI纯水机  
CI Water Purifier



CWI22 缩水标记套件  
Tag Shrinking Packages



CWI23 静电电压测试仪  
Static Voltage Tester





CWI24 袖珍PH计  
Pocket PH Meter



CWI25 数字式PH/温度计  
Digital PH/Temperature Meter



CWI26 Ph校准缓冲溶液  
PH Calibration Buffer Solution



CWI27 数字式PH/温度计及打印机  
Digital PH/ Temperature and Printer



CWI28 电子天平  
Electronic Balances



CWI29 数字温湿度记录检测仪  
Digital Temperature and Humidity Records Detector



CWI30 温湿度记录仪  
Temperature and Moisture Record



CWI31 电子湿度及温度记录仪  
Electric Temperature and Humidity Record



CWI32 温湿度巡检仪(30通道)  
Temperature and Humidity Data Logging Devices (30 channels)



CWI33 平板压烫仪  
Plate Pressure Hot Machine



CWI34 羽绒浊度仪  
Swansdown turbiditor



CWI35 原子吸收测试仪  
AAS Tester



CWI36 电子干燥器  
Electronic Dryer



CWI37 静音型实验室空压机  
Silent Laboratory Compressor



CWI38 电子叶轮式风速计  
E-impeller Anemometer



CWI39 红外线非接触式温度计  
Non-contact Infrared Thermometer



CWI40 数字照度计  
Digital Illuminometer



CWI41 可燃气体泄漏探测器  
Flammable gas Leak Detector



CWI42 紫外线测量仪  
UV measurement instrument



CWI43 恒温水浴锅  
Hot Water Boiler



CWI44 可见分光光度计  
Vis Spectrophotometer



CWI45 HACH分光光度计  
HACH Spectrophotometer



CWI46 气浴恒温振荡器  
Bath Temperature gas Oscillator



CWI47 实验室家具  
Laboratory Furniture





用于测试各种化学纤维、棉、毛、丝、麻及玻璃纤维的拉伸性能。

Measurement of chemistry fibre, cotton, feather, silk etc..and blend yarn's strength at rupture and breaking extension.

技术参数Techniques:

工作模式: 微机控制、数显测试数据、打印输出测试结果

Working Mode: Computer control, Print out the test results

测力范围及精度Testing Range and Precision:  $0 \sim 100\text{cN} \leq \pm 0.2\% \text{f.s}$

伸长范围及精度:  $\leq 100\text{mm}$  分辨率 0.01mm

Elongate Range and Precision:  $\leq 100\text{mm}$  Distinguish Rate 0.01mm

取样长度Sampling Length: 10mm 20mm

预张力Tension: 0.1cN、0.15cN、0.2cN、0.3cN、0.4cN、0.5cN

拉伸速度Extend Speed: 1~199mm/min

外形尺寸Dimensions: 35Kg

电源Power: AC220 50Hz

标准Standards: GB/T14337; GB/T9997; GB/T13835.5; ISO5079; ISO11566; ASTM D3822; BS4029



用途:用于测定各种棉、毛、丝、麻、化纤类,包复丝以及金属丝等单根纱线的断裂强力和伸长率及相关指标,并具有定强力、定伸长功能。

Measuring diverse of cotton, wool, silk, linen, chemical fiber type, wrap wire and metal wire, such as single yarn breaking strength and elongation and related indicators and a strong set, the elongation function.

技术指标Techniques:

负荷测试范围Load Testing Range: 0~30N、0~50N、0~100N、0~300N、0~500N

负荷示值精度Load Precision:  $\pm 1\%$

拉伸速度Extend Speed: 20~1200mm/min无级调速

试样夹持范围Testing Clamp Range: 100~500mm

试样夹持精度Testing Clamp Precision:  $\pm 1\text{mm}$

外形尺寸Dimensions: 480×380×1580mm(L×W×H)

标准Standards: ISO2062 GB/T3916



用于测定单根纱线及合成纤维长丝及变形丝的断裂强力和断裂伸长率。

To determine a single synthetic filament yarn and silk and deformation of the breaking strength and elongation at break.

仪器特征:

- 1、采用高精度、高速率力值测量系统, 试验数据更精确。通过RS232端口直接由电脑控制, 操作软件友善, 提供详细的在测和历史数据、报表、图形, 建立数据库。
- 2、具有自动剔除功能, 超出正常强力范围的数据均自动剔除。具有故障自诊断功能, 当仪器出现故障时, 会提示故障原因报警。可靠的电动切刀故障率几乎为零。
- 3、采用特别设计的取样辊防缠绕装置, 大幅度减少了意外故障。

Instrument features:

- 1, Using high-precision, high-speed measurement system of values, more accurate test data. RS232 ports through direct computer-controlled, friendly operating software, provide detailed in the measurement and historical data, statements, graphics, the establishment of a database.
- 2, Automatically removed features, beyond the normal scope of the powerful data automatically removed. Since the failure of a function, when equipment failure, prompts the cause of the malfunction alarm. Cutter reliable electrical failure rate of almost zero.
- 3, Using specially designed sampling roller-winding devices, significantly reduce the accident fault.

主要指标Techniques:

1、量程、精度、分辨率 Range.Precision and Distinguish: 5000cN $\square$ .5%, 0.5cN

2、隔距长度 Length Distance: 500mm

3、最大伸长 The most Extend: 250mm (隔距500mm时)

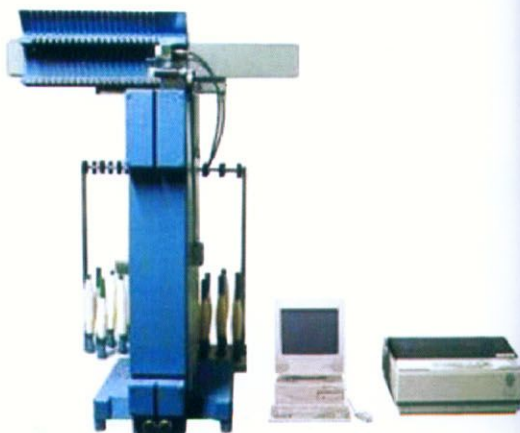
4、拉伸速度 Extend Speed: 50~2000 mm/min

5、试验管纱数Testing Cop: 1~20只

6、外形尺寸Dimensions: 700×550×900mm (L×W×H)

7、电源 Power: AC220V

适用标准Standards: GB/T3916, 14344, ISO2062等





本机可测试各种材料之拉力、撕裂、剥离、粘接力……等等抗力物性。

To determine diverse of material of tension, tearing, Peel of and etc...

技术参数Techniques:

容量选择Capacity options: 10, 20, 50, 100, 200, 500kg

单位切换 Units Switch : kg,f、N、Lbf

荷重分析度Analyse : 1、10、00

荷重精度 Precision :  $\pm 1$

最大行程 (不含夹具) The most range( not including clamp) :900mm

测试速度Testing Speed: 50-500mm/min

显示器Display : LCD



高级万用强力机, 特别适用于纺织品的强力测试, 低成本, 高性能。无控制面板, 直接采用电脑控制, 高分辨率平面图象显示, 测力读数自动选程。本机精度 $\pm 0.5\%$ , 测力传感器最高精度可达1/1000个单位。加载速率1000/s。可存贮多达100个测试方法并对数据进行恢复。

直接打印出A4或信纸测试报告, 包括独立测试结果、统计分析及测试。测力传感器800%超载保护, 自动识别功能, 可选单位: N, kgf, lbf, mm和英寸。丁字头运动显示读数可精确至0.001mm, 绝对丁字头位置可精确至0.001mm。精密滚珠丝杠及引导系统、高精度闭环速度控制器、缓行装置及可选快速返程、微机RS232接口, 定载及行程保护限制, 即时负载及拉伸循环测试, 长期蠕变测试。数字控制试样破坏检测功能, 自动返回无机机械张力状态的测试位置, 自动检测校准功能, 冲击保护, 可选自动复位, 自动回零。

Particularly applicable to the strong textile testing, low-cost, high-performance. No control panel, the direct use of computer-controlled, high-resolution image plane, measured reading of the automatic election process. The accuracy of  $\pm 0.5\%$ , the most high-precision measurement of the sensor up to 1 / 1000 units. Loading rate 1000 / s. Can be stored up to 100 tests and data recovery.

Direct print A4 or letter-test reports, including the independent test results, statistical analysis and testing. Force sensors 800% overload protection, automatic identification, optional units: N, kgf, lbf, mm and inches. Three-way movement shows that the first reading can be accurate to 0.001 mm, the first Three-way location can be absolutely accurate to 0.001 mm. Precision ball screws and guidance systems, high-precision closed-loop speed controller, Postponed optional devices and rapid return, RS232 computer interface, will be contained and itinerary protection restrictions, immediate load and tensile test cycle, the long-term creep testing.

Digital control sample damage detection, automatically without mechanical tension to return to the state test location, automatically detect calibration, impact protection, optional automatic reduction, automatic back to zero.

技术参数Techniques:

	CWG05-1(单臂Single Column)	CWG05-2	CWG05-3	CWG05-4	CWG05-5
量程Range	3kn 300kg	5kn 500kg	10kn 1000kg	25kn 2500kg	50kn 5000kg
行程 (不包括夹具长度) Tour (excluding fixture length)	1100mm	1100mm	1100mm	1050mm	980mm
长Length	460mm	770mm	770mm	910mm	910mm
宽Width	440mm	450mm	450mm	500mm	1620mm
工作截面 Working section	100mm	295mm	295mm	420mm	420mm
速度范围 Speed Range	0.001-1000mm/min		0.001-500mm/min		
返程速度Return speed	500mm/min	500mm/min	1000mm/min	500mm/min	500mm/min
重量Weight	43kg	95kg	115kg	190kg	235kg

标准Standards: BS EN10002-2 ASTM E-4 BS 1606/0.5 AFNOR A03-501 DIN 51221/1 M&S P11,P12,P13,P14,P14A P98,P115





产地:英国 Testometric Made in UK

UT250/350/500 AX 高级万用强力机

Micro- Ax高级万用强力机及高性能测试仪，内置式微机，适用于高级实验室。控制面板采用32位内嵌控制器，高分辨率平面图象显示，测力读数自动选程。

本机精度±0.5%,测力传感器最高精度可达1/1000个单位。加载速率1000/s。全46键字母键盘，可存贮多达 100个测试方法并对数据进行恢复。直接打印出A4或信纸测试报告，包括独立测试结果、统计分析及测试曲线（不需额外微机）。测力传感器800%超载保护，自动识别功能，可选单位：N，kgf，lbf，mm和英寸。

丁字头运动显示读数可精确至0.001mm，绝对丁字头位置可精确至0.001mm。精密滚珠丝杠及引导系统、高精度闭环速度控制器、缓行装置及可选快速返程、微机RS232接口，定载及行程保护限制，即时负载及拉伸循环测试，长期蠕变测试。

数字控制试样破坏检测功能，自动返回无机机械张力状态的测试位置，自动检测校准功能，冲击保护，可选自动复位，自动回零。

The Univeral Strength Testing Machine. Built-in computer, apply to senior laboratory. 32 control panel used embedded controllers, high-resolution image plane, measured reading of the automatic election process.

The accuracy of ±0.5%, the most high-precision measurement of the sensor up to 1 / 1000 units.

Loading rate 1000 / s. All 46 key keyboard letters, can be stored up to 100 tests and data recovery.

Direct print A4 or letter-test reports, including the independent test results, statistical analysis and testing curve (no extra PC). Force sensors 800% overload protection, automatic identification, optional units: N, kgf, lbf, mm and inches.

Three-way movement shows that the first reading can be accurate to 0.001 mm, the first Three-way location can be absolutely accurate to 0.001 mm. Precision ball screws and guidance systems, high-precision closed-loop speed controller, Postponed optional devices and rapid return, RS232 computer interface, will be contained and itinerary protection restrictions, immediate load and tensile test cycle, the long-term creep testing.

Digital control sample damage detection, automatically without mechanical tension to return to the state test location, automatically detect calibration, impact protection, optional automatic reduction, automatic back to zero.



	UT250-2.5(单臂Single Column)	UT350-5	UT350-10	UT500-25	UT500-50
量程Range	3kn	5kn	10kn	25kn	50kn
	300kg	500kg	1000kg	2500kg	5000kg
行程（不包括夹具长度） Tour (excluding fixture length)	1100mm	1100mm	1100mm	1050mm	980mm
长Lenght	460mm	770mm	770mm	910mm	910mm
宽 Width	440mm	450mm	450mm	500mm	500mm
高 Height	1590mm	1590mm	1590mm	1620mm	1620mm
工作截面 Workingsection	100mm	295mm	295mm	420mm	420mm
速度范围 Speed Range	0.001-1000mm/min		0.001-500mm/min		
返程速度 Reture speed	500mm/min	500mm/min	1000mm/min	500mm/min	500mm/min
重量Weight	43kg	95kg	115kg	190kg	235kg

标准Standards: BS EN10002-2 ASTM E-4 BS 1606/0.5 AFNOR A03-501 DIN 51221/1 M&S P11,P12,P13,P14, P14A P98,P115

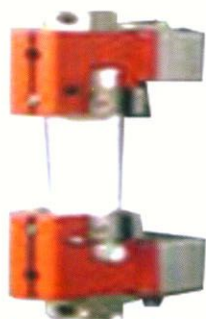


本公司可以根据客户标准制定不同的夹具。

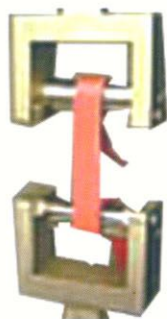
The company could provide diverse clamp according to the standards.



子彈頂破夾具



气动夾具 (夾面可換)



帶子夾具



气动紗線夾具



三点弯曲夾具



卷繞夾具



線繩夾具 1



紗線夾具



紗線夾具 2



回彈力夾具



帶子夾具



土工布夾具



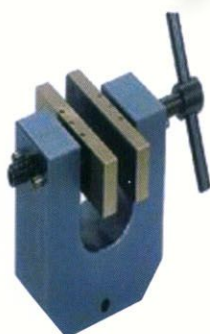
擠壓夾具



剝離夾具



楔型夾具



手动夾具



握持夾具



鈕扣夾具套件



拉鏈夾具套件



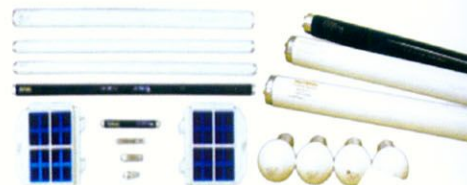
縫位夾具



## CWK01

标准灯管  
Tubular Lamp

GretageMacbeth---D65;INCA;HOR;CWF;U30;Philips TL84;UV(II &III)  
VeriVide-----VeriVide D65;Philips TL84/P15;F or A; UV(CAC60及CAC120)  
Philips TL83;CWF;U30;INCA



## CWK02

多纤维附布  
Multi-fiber

AATCC NO.10多纤维附布 (包含A, B, C, D, E, F)  
AATCC NO.1 多纤维附布 (包含A, B, C, D, E, F)

SDC TV高温型多纤维附布 (包含B, C, D, H, I, J)  
SDC DW(ISO)多纤维附布 (包含A, B, C, D, E, F)  
同时提供AATCC No.41, No. N2, No.49等多纤维附布  
A-醋酸纤维 B-棉 C-尼龙 D-涤纶 E-晴纶 F-羊毛 G-丝 H-粘胶纤维 I-三醋酸  
J-二醋酸



AATCC No. 10 Multi-fiber (include A. B. C. D. E. F)  
AATCC No. 1 Multi-fiber (include A. B. C. D. E. F)  
SDC TV Thermally Multi-fiber ( include B. CC. D. H. I. J)  
Meanwhile, we offer AATCC No. 10A, No. 41, No. 42, No. 49 multi-fiber and etc.  
A - Acetate yarn, B -Cotton yarn,, C - Nylon yarn, D - Polyterter yarn, E - Acrylic yarn  
F - Wool yarn, G - Silk yarn, H- Viscose yarn, I - Triacetate yarn, J - Diacetate yarn

## CWK03

标准洗涤剂  
Standard Detergent

1993 标准洗涤剂 (含磷-AATCC 135&150)  
1993 WOB标准洗涤剂 (无磷-AATCC 61)  
SDC ECE (B) 标准洗涤剂 (含磷-ISO 105 C06, 10528, BS 5651)  
SDC ECE (A) 标准洗涤剂 (无磷-ISO 6330, 105C08/C09, 12138)  
  
SDC IEC (A) 标准洗涤剂 (无磷-ISO 10528, BS 5651, IEC60456)  
SDC IEC (B) 标准洗涤剂 (含磷-ISO 10528, BS 5651, IEC60456)  
SDC 标准皂粉 (BS EN 20105 C01-C05, C07, ISO 105 C01-C05, C07,  
BS 1006 C01-C05, C07)  
CLOROX II 非氯漂标准洗涤剂 (浸泡测试)



1993 Detergent (include phosphor - AATCC 135 & 150)  
1993 Detergent (exclue phosphor - AATCC 61)  
SDC ECE (B) Detergent (include - phosphor ISO 105 C06, 10528, BS 5651)  
SDC ECE (A) Detergent (exclude - phosphor ISO 6330, 105C08/C09, 12138)  
SDC IEC (A) Detergent ( exclude -phosphor ISO 10528, BS 5651, IEC60456)  
SDC IEC(B) Detergent ( include - phosphor ISO 10528, BS 5651, IEC60456)  
SDC Standard Detergent ( BS EN 20105 C01-C05, C07, ISO 105 C01-C05, C07, BS 1006 C01-C05, C07  
CLOROX II Un-chlorine Standard detergent ( dipping test)

## CWK04

标准伴洗布  
Standard Loading Cloth

AATCC标准伴洗布I (100%棉)  
AATCC标准伴洗布II (50%棉, 50%涤纶)  
SDC ISO1994版标准伴洗布 (涤纶30×30cm)  
SDC ISO2001版标准伴洗布 (涤纶20×20cm)  
SDC M&S标准伴洗布 (涤纶20×20cm)

AATCC Loadng Cloth I (100% cotton)  
AATCC Loadng Cloth II (50% cotton 50% polyester)  
SDC Loading Cloth ISO1994 version (100% polyester 30\*30cm)  
SDC Loading Cloth ISO2001 ersion ( 100% polyester 20 \*20cm)  
SDC M & S Loading Cloth ( 100% polyester 22\*22cm)





- SDC SM25 磨擦织物 (1.6X5米或100片一盒)  
 SDC 羊毛毡衬垫 (24片/盒, 分为机织与非机织)  
 SDC 泡沫衬垫 (0.5X1.5米, 4片/包)  
 EMPA 起球性测试图卡 (3X4机织, 3X4针织)  
 SM50 起球性测试图卡 (IWS+ASTM, 4套1-5级)



- SDC SM25 Crocking Mertiral (1.6\*5 or 100 pc/box)  
 SDC Woolen-felt Underlay ( 24 pcs/box, machine wash or un-machine wash)  
 SDC Foam Underlay(0.5\*1.5m, 4 pcs/bundle)  
 EMPA Pilling Graphic Card (3\*4 woven, 3\*4 knitting)  
 SM50 Pilling Graphic Card ( IWS + ASTM, 4 set 1-5 grade)

## 水染色牢度: Color Fastness Tester

1. 不锈钢钢珠, 直径6MM。Stainless Steel Ball (diameter 6mm)
2. 不锈钢干洗片。Stainless Dye-clean Flake
3. 过硼酸钠四水化合物。Sodium Perborarte
4. TAED-92%250G.

## VeriVide灯箱: Verivide Colour Matching Cabinets

1. 45度观察台 (灰度过G557, 0.5升/罐) 45Degree Observational Table (G557)

## 磨擦色牢度: Color Fastness to Crocking

1. SDC标准磨擦布 (5X5cm, 500片/盒) SDC Crocking Cloth (5 x 5cm, 500 pc/box)
2. AATCC标准磨擦布 (2X2inch, 1000片/盒) AATCC Crocking Cloth (2" x 2", 1000 pc/ box)
3. 标准磨擦头(直径16MM) Crocking Head (diameter 16mm)
4. 不锈钢夹环Stainless Annular Clamp
5. 砂纸(320号) Sand Paper (#320)

## ICI起球测试: ICI Pilling Tester

1. PU固样管(4只/套) PU Cannula of Fixing Sample (4 pc/set)
2. 软木衬垫(6片/套) Soft Wood Gasket
3. 标准图卡3, Graphic Card

## 乱翻式起球测试: Random Tumble Pilling Tester

1. 软木衬壁(50片/包) Cork Liner (Pack of 50)
2. 棉条(9米). Cotton Sliver /pack
3. 标准图卡(5张/套) Set of 5 Photographic Standards

## MULLEN胀破测试: Mullen Bursting Strength Tester

1. MULLEN标准橡胶模 MULLEN Rubber Mold
2. MULLEN标准铝箔片 MULLEN Standard Aluminum Foil

## 织物裁样器: Fabric Sample Cutter

1. 刀片(4片/套) Spare blades (4pcs)
2. 裁样垫板. Cutting map (1 purchase)

## 织物裁样器: 1. 刀片 (4片/套)

## 2. 裁样垫板

