



Instrumental in Your Success



Complete Solutions for Testing Packaging Materials and Packagings



BURSTING STRENGTH TESTERS

The Bursting Strength Test of paper, paperboard, including liner board and corrugated board, is a composite measure of certain properties of the sheet structure, principally tensile strength and elongation. In general, bursting strength is dependent on the type, proportion, preparation and amount of the fibre present in the sheet and their formation, internal sizing, and to some degree, the surface treatment. While bursting strength is an empirical property, this test, in combination with basis weight, serves to define "standard grades" in commerce.



Analog Super Model



Analog Double Head Model



Clamp N Print Model



Fully Automatic Model



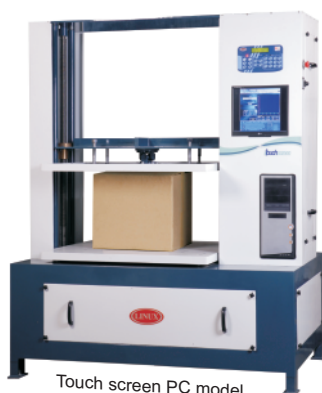
Touch Screen PC Model

COMPRESSION STRENGTH TESTERS

The compressive forces are related to some of those exerted on containers in stack or encountered in transportation. The method is used to compare the compressive resistance of different lots of similar boxes or to compare boxes of different grades. It may also be used to compare the compression characteristics of boxes differing in design or construction. In addition the information gained may be used to provide an indication of the load that a particular container may be able to withstand in service.

Specifications:

- Measuring Range (Optional): 500, 1000, 2000 & 5000 kgf
- Accuracy: $\pm 1\%$ of Reading
- Test Speed: (changeable) 12.7 mm/min
- Location Speed: 180 mm/min
- Platen Size: 1000 x 1000 mm
- Space between compression plate: 1000 mm
- Other Platen size & capacity also available on request



Touch screen PC model



Micro PC Model



Micro Digital Model

CRUSH RESISTANCE TESTERS

Linux range of Crush Testers are designed for performing Ring Crush Test (RCT), Edge Crush Test (ECT), Flat Crush Test (FCT), Pin Adhesive Test (PAT), Concora Medium Test (CMT), Corrugated Crush Test (CCT) and other general compression tests, on a variety of materials like paper, paperboard, etc. These multi-functional equipments incorporate high accurate load cell and precise ball screw, which drives the compression platen steadily along the guide track to compress the specimen.

Specifications:

- Measuring Range (Optional): 100, 200 & 500 kgf
- Accuracy: $\pm 1\%$ of reading
- Test Speed: 12.7 mm/min (changeable)
- Location Speed: 180 mm/min
- Platen Size: 125 X 125mm



Micro Digital Model



Touch Screen PC Model



Micro PC Model

CONCORA MEDIUM FLUTER

The Concora medium fluter produces specimens of corrugated board in circumstances similar to the production process. It is used for fluting a pre-cut strip of corrugated medium ready for performing the CMT (Concora Medium Test) and the CCT (Corrugated Crush Test).

- Standards:**
- TAPPI T 809
 - ISO 7263 • SCAN P 27

- Applications:**
- Paper

Specifications:

- Diameter of rolls: 228.5 mm $\pm$ 0.5 mm
- Rolls dimensions: 16 $\pm$ 1 mm
- Number of teeth: 84
- Radius of teeth at peak: 1.50 $\pm$ 0.1 mm
- Radius of teeth at base: 2.00 $\pm$ 0.1 mm
- Depth of teeth: 4.75 $\pm$ 0.05 mm
- Distance between teeth: 8.55 $\pm$ 0.05 mm
- Nip load: 100 $\pm$ 10N
- Rotating speed 4.5 $\pm$ 1.0 r/min



CALIPER THICKNESS GAUGE

Thickness is an important property of paper or paperboard, and variations in thickness are also important especially for paper and paperboards used for mechanical purposes. The test is useful for research work, routine control, design of end-use products, and for acceptance testing for conformance to specification.

Ordering information:

Analog Model:

- Model: CTG 0.001 (Capacity 1mm least count 0.001mm)
- Model: CTG 0.01 (Capacity 10mm least count 0.01mm)

Digital Model:

- Model: CTG 0.001MD25 (Capacity 25mm least count 0.001mm)
- Model: CTG 0.001MD (Capacity 12mm least count 0.001mm)
- Model: CTG 0.01MD (Capacity 12mm least count 0.01mm)

Standard:

- TAPPI T 411
- ASTM D 654
- IS 1060



Analog Model



Digital Model



CARTON OPENING PRESSURE TESTER

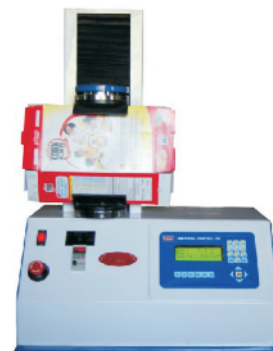
The Carton Opening Pressure Tester, is a bench mounted, electrically operated machine. The machine is designed to measure the opening force of flat stacked cartons. The test determines force per unit width required to open a carton and the percentage deflection at that maximum point. The test is performed using the constant rate of force method. The Carton opening test is an important quality control test directly related to the machine ability of the cartons in fully automatic lines, thereby speeding up production setup time and lesser machine downtime. When the machine is setup with the carton, on start of the test, force is applied and maximum opening pressure is recorded and the machine returns back to its original position ready for the next test. The machine can also be programmed to go a fixed depth and return.

Specifications:

- Measuring range: 5 kgf • Measuring Unit: kgf, lbf & N • Load Least count: 0.001 kgf
- Accuracy: $\pm 1\%$ of Reading • Maximum Travel: 350 mm • Upper Support: 75 mm
- Lower Support: 300 mm • Test Speed: Variable 10 to 500 mm/min

Applications:

- Cartons



COBB TESTER

The test is used for determining liquid absorptiveness or resilience of treated and untreated paper, board, abras and other sheet materials. The test consists of a test apparatus, its 10 kg roller and blotting paper. The roller method is recommended to ensure better consistency and reliability that can be obtained by manual blotting or rubbing the specimen.

Specifications:

- Standard Test Area : 100 cm²
- Metal Roller : 10 kg $\pm$ 0.5 kg

Standard:

- TAPPI T 441 • ISO 535 • ASTM D 2045 • AS/NZ 1301.411
- CPPA F2 • DIN EN 20 535 • SCAN P 12

COEFFICIENT OF FRICTION TESTER (COF TESTER)

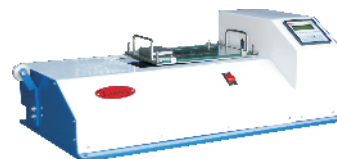
Coefficient of Friction testing is extensively used in the packaging industry to measure the "slipyness" of a product, with the aim of predicting feeding and running speed on an automatic gluing, erecting, filling or packaging line. This extremely easy to use instrument has been manufactured to determine the static and kinetic friction of plastic film, sheeting, paper and other sheeted material. The Coefficient of Friction Tester can measure Static COF from a resting position and continue to move testing surfaces in a relative motion to give an accurate kinetic COF result. This COF Tester employs a stationary sled with a moving plane. The test head automatically returns to the start position after testing is completed.

Specifications:

- Measuring Range: 5 kgf • Measuring Unit: kgf • Load Least Count: 0.001 kgf
- Accuracy: 0.3% of Full Scale • Peak & Average Force Value • Plane: 150mm x 300mm
- Speed: 150 $\pm$ 15mm/min • Sled Weight: 200 $\pm$ 5g at 63.5mm x 63.5mm

Standards:

- ASTM D1894
- TAPPI T 549



DART IMPACT TESTER

The falling Dart Impact Tester determines the impact resistance of plastic film by the free falling dart method. The apparatus establishes the energy required to tear film specimens under specified conditions of impact of a free falling dart. The energy is expressed in terms of the weight of the dart 50% of the film specimens fail under the conditions specified. The sample is held down by a manually operated clamp. A range of weight is provided to be performed on various film thicknesses. The working range of the weight is established by finding the weight that will just break the sample film.

Specifications:

- Dart: 2 Nos. Method 'A' and 'B' • Weight: 5 grams to 500 grams.
- Release Mechanism: Electromagnetic.
- Vacuum Creation: Single stage oil vacuum pump.
- Counter: Six digit electric counter would be provided for counting number of trails.
- Vacuum Indication: Dial gauge with range upto - 760 mmHg

Standards:

- ASTM D 1709
- IS 2508

Applications:

- Plastic film
- Flexible film

DROP TESTER (Electrical Model)

The Drop Test is performed to determine the ability of fibre board containers to withstand vertical impact in free drop. The test may be performed as a single test or multiple test to determine and analyses the conditions that occur on a package during handling and transit. It serves as an effective equipment for package design and performance analysis before production and use.

Specifications:

- Minimum Drop Height: 450 mm
- Maximum Drop Height: 1900 mm
- Max Sample Weight: 50 kgs
- Air Supply: 6 to 8 kg/cm²
- Power: 220 VAC, 50Hz Single Phase

Applications:

- Corrugated Boxes
- Containers
- Paper Bags and Sacks
- Crates

Standards:

- TAPPI T802 OS 75 • ASTM D5276 • ISO 2248 Method A • AS 2582.4 • IS 7028 (Part VI)





GSM TESTER (Substance Indicators)

In paper manufacturing and user industry, the term for expressing the "Weight" per unit area, (more properly mass per unit area) of paper has been "basis weight", "ream weight", "substance", or "grammage". Also in most countries, the mass per unit area is expressed in grams per square meter (gm.m). The area of several sheets of paper or paperboard is determined from linear measurement. The weight is determined by weighing. The grammage is calculated from the ratio of the mass to the area, after conversion to metric units when necessary.

Specifications:

- Capacity: 300 grams
- Least Count: 0.01 grams

Standards:

- TAPPI T410m
- ISO 3801
- ASTM D3776/2646-96



INCLINE IMPACT TESTER

Incline Impact Testers are used to simulate the handling of boxes, crates, palletized loads etc. The test provides you with the qualitative results and documentation required to substantiate the performance of your product or packaged system.

Linux tester has articulating carriage system. This system allows the carriage to be loaded with on the top surface for safety and convenience. After the test specimen is loaded, the top of the carriage is lowered into its testing configuration and drop sequences happen in the conventional method. All machine functions are controlled through a hand-held control pendant, allowing the machine operator the ability to position the carriage from different points around the machine. All potentially dangerous conditions are shielded and or safety interlocked for operator protection.

Specifications:

- Load Capacity: 500 kg
- Impact Stroke: 0~3500 mm
- Test Angle: 10°
- Test Speed: 2.75 m/sec.
- Rolling Carriage Size: 1200 X 1200mm
- Impact Surface (bumper) Size: 1500X 1500mm

Standard:

- IS 7028 (PART 3) 2002

Applications:

- Boxes • Crates



INTERNAL PLY BOND TESTER

Linux Internal Ply Bond Tester is applied to testing internal bond strength of paperboard. The paperboard sample is impacted in a certain angle and weight, the energy it has absorbed indicates the internal bonding strength. It can test five samples at a time.

Specifications:

- Sample Size: 1 x 1 inch
- Measuring Range: 0 - 1.05 Ft/lb
- Clamping Pressure: 50 to 200 PSI
- Impact Angle: 90 degree

Applications:

- Paper • Paperboard

Standard:

- TAPPI T 569



MELT FLOW INDEX TESTER

Melt Flow Indexers are affordable bench top instruments that measure the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of a wide range of thermoplastic raw materials (granulate). Melt Flow Index Tester is manufactured as per ASTM D1238 to measure the flow rates of thermoplastics by extrusion plasmometer. This test indicates the uniformity of the flow rate of the polymer.

Specifications:

- Temperature Range: Ambient to 375°C
- Least Count: 0.1°C
- Timer: up to 59 minutes.
- Weights: 1.2 kg, 2.16 kg, 3.8 kg, 5 kg & 21.6 kg.

Accessories:

- Standard accessories include
- Orifice • Piston • Spoon • Spanner • Plumb line
- Funnel • Material charger • Mirror • Tweezer
- Orifice cleaner • Barrel cleaner
- Sample cutter and Accessory stand.

MOISTURE ANALYZER

Linux Electronic Moisture Balances incorporate rapid Halogen heating with EMFC precision weighing technology to determine moisture content of sample quickly & effectively.

Specifications:

- Moisture Content :
- Pan Size: 100 mm
- Resolution: 0.1%
- Accuracy: 0.1% for sample above 5g
- (std. dev.) 0.5% for sample below 5g
- Temperature Range up to 200 C (1 C).
- Moisture Range: 0.05% to 100%
- Tearing Range: up to full capacity
- Operating Temperature: 15 to 45 deg C

Applications:

- Paper • Paperboard • Corrugated Board • Pulp
- Cotton • Powder • Paste or Liquid • Cereal
- Brewed products • Sea foods • Spices • Sweets
- Diary products • Cokes • Cement • Chemical fertilizers.

Ordering information:

- Model: MAE50 (Capacity 50g least count 0.001g)
- Model: MAE120 (Capacity 120g least count 0.001g)
- Model: MAE220 (Capacity 220g least count 0.001g)





MOISTURE METER (Digital Type)

Electronic Moisture tester is an electrical resistance type digital moisture meter. It calculates on the basis of mass of water / mass of solids. Since the electrical conductivity of paper is considerably effected not only by its moisture content, but also by the paper temperature and various substances contained in the paper, it is necessary to take these influences into consideration in the design of the moisture meters to ensure accurate readings. The hand closes naturally around the ergonomic form of the housing so that the pins on the end of instrument can be pressed into the material to be measured. The thin pins make it easy to measure the moisture content of paper, paperboard and corrugated board up to a maximum thickness of 25 mm.



Specifications:

- Measuring Range : 5 to 20 %
- Power Supply : 9 V dry cell or chargeable battery.

Applications:

- Paper • Paperboard • Corrugated Board



PEEL STRENGTH TESTER

Linux motorized Peel Strength Tester in vertical configurations. The motorized test stand, digital force gauge and peel fixture apply tension to a safety seals, tapes and laminates. Special attachments and fixtures facilitate 45°, 90°, 180°, 'T' and rotary peel tests. Motorized peel testers offer speed control and highest degree of repeatability with the ability to set a constant test speed and range of movement. All peel testers with digital force gauges have data output capability for analysis by optional data acquisition software.

Specifications:

- Load Capacity: up to 20 kgf
- Least Count: 0.001 kgf
- No. of Load Cell: One
- Cross Travel: up to 350 mm*
- Test Speed: 10 to 500 mm/minute.

Applications:

- Paper • Plastic • Rubber • Polyurethane • Textile

Standards:

- **Peel:** ASTM D3330 D1876 • **Tear:** ASTM D1938
- **Seal:** ASTM F88 • **Bond:** ASTM F904

PUNCTURE RESISTANCE TESTER

Packaging materials like board, boxes etc are subjected to handling hazards and damage in use, similar to that occurring in this test, may result from contact with solid objects, such as the end of a piece of lumber or the corner of a wooden box. Resistance to puncture is an important parameter that determines the performance of such a material.

Applications:

- Paperboard
- Corrugated Board

Standard:

- TAPPI T-803 om-88 • IS 4006 (part II)1972
- ASTM D-781-68 • DIN 53142 • SCAN P23



RUB RESISTANCE TESTER (Scuff Tester)

Rub Proofness Tester, measures how effectively printing ink adheres to paper or board. Conforming to BS 3110, the instrument evaluates the extent of color transfer from printed or coated materials due to rubbing – a condition which frequently occurs during the handling and shipment of packaged goods. Linux Rub Proofness Tester measures the resistance to rubbing of printed paper or board. It can also be used to measure color transfer from printed or coated material

Specifications:

- Pressure Weights : 0.5, 1 & 2 PSI
- Number of Cycles : 0-9999 • Rubbing Speed : 60 ± 3 cpm

Applications: Printed Carton Board

Standards: BS 3110

INK RUB TESTER (Sutherland Type)

Sutherland type Rub Tester for Ink Rub Test is a new type of testing machine designed to measure scuffing or rubbing resistance. Several tests can be performed including dry rub (the amount of transfer of ink from one dry surface to another), wet rub (the amount of transfer of ink from wetted surface to another) It is professionally applicable to the abrasion resistance test of surface coating layers of printed materials, e.g. ink layer or photosensitive (PS) coating. This instrument can effectively analyse the problems of poor abrasion resistance, ink layer falling off, lower printable force, and bad hardness of coating layers of printed materials.

Specifications:

- Weights: 2 lb and 4 lb
- Number of Cycles: 0-9999
- Rubbing Speed: 21, 42, 85, 105cpm
- Rub Mode: Arc Reciprocating Movement

Applications:

- Printed Carton Board
- Paper • Plastics • Aluminum Film
- Printed Corrugated Board

Standards: • ASTM D5264 • TAPPI T830 • BS 3110



STIFFNESS TESTER

Bending Stiffness Tester is used to measure the maximum force required to bend the test piece (paper or paperboard) to a specified angle. This extremely easy to use instrument has been manufactured to determine the resistance offered to a bending force (bending resistance) to a rectangular specimen, which is clamped along one side, measured under specified conditions. Bending resistance affects the product performance in many converting operations and end use applications including packaging, printing, etc.

Specifications:

- Measuring Range: 0 - 10000 mN.
- Bending Angle: Variable between 5 and 30
- Bending Length: 10 to 50 mm.
- Measurement Units: mN, mNm and gm.cm.

Applications:

- Paper, Paperboards
- Packaging • Packaging Development

Standards: • ISO 2493 • SCAN P29 • TAPPI T 556



SHORT SPAN COMPRESSION TESTER (SCT Tester)

Equipment designed to perform Shot Span Compression Test and determining the compression strength on Fluting Medium and Test Liner papers within the grammage range of 100-400 g/m² units. Put a rectangular sample with a minimum length of 150 mm and fixed width of 15 mm between the clamps. Then push the test button and clamps will close automatically and perform the test at 3 mm/min testing speed.

Specifications:

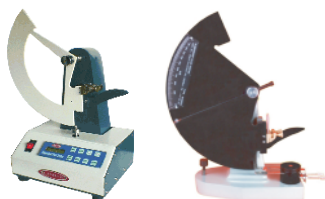
- Load Capacity: up to 500 N
- Measuring Units: Newton
- Test Span: 0.7 ± 0.05 mm
- Clamp Height: 25 ± 0.5 mm
- Clamp Length: 30 ± 0.5 mm
- Sample Width: 15 ± 0.1 mm
- Sample Length: 150 mm
- Clamping Force: 2300 ± 500 N
- Air Supply: 4 to 5 bar
- Power: 220 VAC, 50Hz Single Phase.

Applications:

- Paper

Standards:

- ISO 9895
- TAPPI T826



TEAR TESTER (Elmendorf Method)

This method measures the force perpendicular to the plane of the paper required to tear multiple sheets of paper through a specified distance after the tear has been started using an Elmendorf type tearing tester. The measured results can be used to calculate the approximate tearing resistance of a single sheet.

Applications:

- Paper
- Film
- Foil

Standards:

- TAPPI T-414 om-88
- IS 4006 (part II)1972
- AS/NZ 1301.400s
- DIN 53128
- SCAN P11
- BS EN 21974
- CPPA D9.

TORQUE TESTER

The Torque Tester accurately measures twist-on force. The Torque Tester is an ideal tester for bottlers, food and beverage companies, and others who need to measure closure torque. The tester features solid aluminum housing and rugged construction for many years of service in laboratory or production environments. Adjustable parts effectively grip a broad range of container shapes and sizes, while a set of optional jaws are available in an alternative gripping method. The bottle torque captures peak torque in clockwise direction for application and removal measurements.

Specifications:

- Measuring Range: 0-10 Nm.
- Measuring Units: Lb inch, Kg cm and Nm.
- Accepts Sample upto 180mm in diameter.

Applications:

- Bottle Packaging
- Food and Beverage
- Pharmaceuticals



TOP LOAD TESTER

Bottle Compression Tester is an efficient and easy to use equipment intended for measuring the ability of bottle to resist external compressive forces. This method describes how to determine the resistance of a bottle to compressive forces. This is accomplished by placing the bottle between two flat platens, one of which is mechanically driven to compress the bottle. A recording device is incorporated to indicate the force required to compress the bottle. The compressive forces are related to some of those exerted on bottles in stack or encountered in transportation. The method is used to compare the compressive resistance of different lots of similar bottles or to compare bottles of different grades. In addition the information gained may be used to provide an indication of the load that a particular bottle may be able to withstand in service.

Specifications:

- Measuring Range (Optional): 100,200 & 500kgf
- Measuring Unit: kgf, lbf & N
- Load Least Count: 0.1 kgf
- Deflection Least Count: 1 mm
- Test Speed: 12.7 mm/min (changeable)
- Location Speed: 180 mm/min
- Platen Size: 175 x 175 mm
- Space between Compression Plates: 325 mm

Applications:

- PET Bottles
- Duplex Cartons
- Molded Containers

Standards:

- TAPPI T 804
- ASTM D 2659

TUBE & CORE CRUSH STRENGTH TESTER

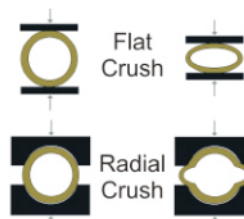
Linux range of Crush Testers are designed for performing Tube Crush Test, Core Crush Test, Cone Crush Test and other general compression tests, on a variety of materials like paper, paperboard etc. These multi-functional equipments incorporate high accurate load cell and precise drive screw which drive the compression platen steadily along the guide track to compress the specimen.

Specifications:

- Measuring Range (Optional): 500 & 1000 kgf
- Measuring Unit: kgf, lbf & N
- Load Least Count: 1 kgf
- Test Speed: (changeable) 12.7 mm/min
- Location Speed: 180 mm/min
- Self Aligning Compression Plate
- Space Between Compression Plates: 325 mm
- Radial crush test attachments at extra cost.

Applications:

- Paper Cores & Cones
- Paper Tubes
- Small Corrugated Boxes





TENSILE TESTING MACHINE

Linux Computerized Single Column Tensile Testing Machine is used for testing of physical, mechanical properties of polymers, plastic films, laminated materials, adhesives, adhesive tapes, adhesive bandages, textiles, paper, protective films, leather, rubber and paper fiber etc. It can perform the tests of tensile, peeling, tearing deformation, heat seal, adhesive, etc. This multi-functional equipment incorporates imported motor & gearbox, highly accurate load cell and precise ball screws.

Specifications:

- Load Capacity: up to 500 kgf
- No. of Load Cell: One
- Maximum Speed: 500 mm/min
- Minimum Speed: 10 mm/min
- Crosshead Stock: 850 mm
- Units: kgf, lbf & N & mm, cm, inch

Standards:

- Tensile** : ASTM D828, D638, D882
ISO 1924, TAPPI T 494
Peel : ASTM D3330, D1876
Tear : ASTM D1938
Seal : ASTM F88
Bond : ASTM F904

Applications:

- Plastic ● Rubber
- Polyurethane
- Paper and PaperBoard
- Textile ● Spring



Universal Testing Machine

Linux Computerized Double Column Universal Tester is applicable in the test of physical mechanical properties of polymers, plastic films, laminated materials, adhesives, adhesive tapes, adhesive bandage, textile, paper, protective film, leather, rubber and paper fiber etc. It can perform the test items of tensile, compression, cof, peeling, tearing deformation, heat seal, adhesive, etc. These multi-functional equipments incorporate imported motor & gearbox, high

Specifications:

- Load Capacity: up to 5000 kgf
- No. of Load Cell: Two
- Maximum Speed: 500 mm/min
- Minimum Speed: 10 mm/min
- Crosshead Stock: 850 mm
- Units: kgf, lbf & N & mm, cm, inch

Standards: Tensile: ASTM D828, D638, D882 ISO 1924, TAPPI T494

Peel: ASTM D3330, D1876, D903

Tear: ASTM D1938 **Seal:** ASTM F88

Bond: ASTM F904 **COF:** ASTM D1894, TAPPI T549

Flexural: ASTM D790 **Loop Tack:** ASTM D6195

Compression: ASTM D695, D2659

Applications:

- Plastic
- Rubber
- Polyurethane
- Paper
- Textile
- Spring



VIBRATION TESTER

Linux Vibration Tester of filled shipping containers. Such tests may be used to assess the performance of a container, with its interior packing and means of closure, both in terms of its strength and of the protection it provides to its contents when it is subjected to vibration such as it experiences in transportation. These procedures are suitable for testing containers of any form, material, kind, design of interior packing, means of closure, and any size and weight.

Specifications: ● Frequency: 120-420 rpm (2-7 Hz)

● Area of Table: 800 X 800 mm (other size available on request)

● Fixed Amplitude: 25 mm ● Railing Guard Height: 300 mm

● Timer: 0 - 99 hour. ● Maximum Test Load: 50 kgs.

Applications: ● Shipping Containers

Standards: ● TAPPI T 817 OM 89

● ASTM D 999 - 96 ● FEFCO : TM 52

● IS : 7028 (PART II) 1973



LINUX SAMPLE CUTTERS

Linux range of Sample Cutters are designed to cut precise samples, as required for various tests.

GSM Sample Cutters

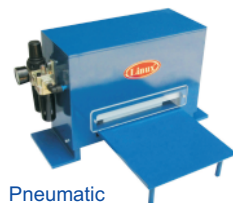
The Grammage Cutter has been designed to cut 100cm² circular paper samples to assess grammage. Grammage in paper products is calculated from the ratio of mass to area. This is an important factor to know as most paper is bought and sold in accordance with its mass per unit area.

Manual Die Cutter

Pneumatic Cutter



Round Cutter



Pneumatic Cutter



Manual Die Cutter

RING CRUSH TEST SAMPLE CUTTERS

Precision Sample Cutter for cutting testing samples for paper to the sizes as per standards. Die punch system assures parallel edges and clean cut. The instrument is portable and does not require electric connection, allowing it to be used virtually anywhere.

Applications:

- Paper

Specifications:

- Cut Size: 12.7 x 152 mm

Standards: ● TAPPI T 818 cm -97

● TAPPI 822 cm - 89 ● ISO 121 92

EDGE CRUSH TEST SAMPLE CUTTERS

Linux ECT/PAT Sample Cutter is designed to cut a variety of sample sizes for Edge Crush Tests (ECT) and Pin Adhesion Tests (PAT) Precision Sample Cutter for cutting testing samples for Corrugated Cardboard to the sizes as per standards.

Manual Cutter

Pneumatic Cutter



FLAT CRUSH TEST SAMPLE CUTTER

The Flat Crush Test evaluates the resistance of flutes in corrugated board to a crushing force applied perpendicular to the surface of the board. Low flat crush values may reflect poor formation of the corrugations, substandard materials, or damage to the corrugations after they are formed. Flat Crush Test Cutter can cut through the corrugated structure, leaving clean cut edges at right angles to the faces.

Specifications: Sampling Area: 64.5 cm²

Applications: Corrugated Fibreboard

Standards:

● TAPPI T 825 ● ISO 3035

STIFFNESS / TEAR SAMPLE CUTTERS

Linux Stiffness / Tear Test Shear Sample Cutters are designed to cut uniform test samples for Stiffness and Tear Tests. These cutters provide uniform specimen size as per standards which is critical for repeatable and reproducible test results. Precision triple side shear system assures parallel edges and provide clean cut.



GRIPS AND FIXTURES

LINUX offers a full line of grips and fixtures for materials and product testing. The grips and fixtures that we sell support our entire line of new universal testing machines. They can also be used with virtually any manufacturers test frames and with LINUX retrofitted equipment. The grips shown are some of the most common. If you do not see the grips or fixtures you need, please ask us.



Heavy Duty Grips For Polymer and Rubber



Grips For Paper, Thin Plastic, Poly film



Compression Strength Test Plate



90 Degree Peel Fixture



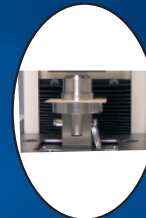
Loop Tack Fixture



180 Degree Peel Fixture



Coefficient of Friction Fixture



Internal Bond Test Fixture



Flexural Test Fixture



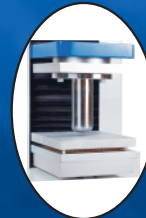
Carton Opening Force Fixture



Ring Crush Test Fixture



Edge Crush Test Fixture



Flat Crush Test Fixture



Pin Adhesion Test Fixture



Concora Crush Test Fixture



Score Quality & Score Bend Test Fixture

Manufacturing Unit at Mumbai



An ISO 9001:2008 Company

Instrumental in Your Success

Linux Machines Incorporation

Linux House, Ahad Industrial Estate, Bholenath Nagar Road, Kausa, Mumbra, Thane - 400 612, Maharashtra, India.

Tel : +91 88794 97458 / 68, 88791 47554 / 56

E-mail: machines.linux@gmail.com | www.linuxmachines.in