



STECH ENGINEERS
TESTING MACHINES

Quality Never Ends...



AN ISO 9001 : 2015 CERTIFIED CO.



Company Profile

STECH Engineers the company from India established in the year 1998, started Manufacturing Rubber Hardness Tester and gradually grown to manufacturing most of the Rubber Testing equipments. Within a short period the company has achieved a well reputation in the field of Rubber Testing equipments and a front leader in providing high Quality Testing Machines at very affordable price. We have well qualified technical professional and associates in our organization to serve with improving Quality Products, which meet all International Standards and Latest Methods for very convenient and easy Quality Assurance. Our aim is to serve industries an everlasting performance in the field of manufacturing material testing equipments. We also manufacture various testing equipment for Textiles, Paint, Powder coating, Chemical/ Metals etc other than our core product. The company is currently having a good customer background at National and International Level. We also provide Calibration services to our customers with valid Certificate Traceability to NABL that ensure up-to-date perfection of their laboratory. We strictly follow all the standard procedure for manufacturing Testing Equipments and committed to provide all time service and support to our customers after sales of our products. We believe that the customers are the future of every industry and their trust and support is their continual growth. We hope that **STECH** Engineers will emerge one of the most reputed firm in the field of manufacturing and supplying materials testing equipments with the trust and support of our esteemed customers worldwide.

STECH Engineers is committed to total customer satisfaction by delivering of quality products on time. All Levels of the Organization are dedicated to the process of meeting or exceeding customer's Requirements.

"We assure our customers to provide the best ownership experience by delivering the highest quality products, expert support and world-class service at **STECH** Engineers."

The accuracy, reproducibility and reliability of test results produced by our systems is critical to the success of our customers' businesses and to the quality of their products.

RUBBER HARDNESS TESTER

(Shore hardness)

Various models of Hardness Tester for the accurate measurement of hardness of the Vulcanised rubber, plastic, ebonite, fiber and all other soft and hard elastomers as per latest American standard ASTM D 2240 and German Standard DIN 53505. All the below models are available in Digital and Analogue with suitable indenter's, master gauge for periodical checking. The Durometer may be manually applied or, for better repeatability and accuracy, mounted on an applicable operating stand. Designed to meet a wide variety of applications, the Shore Durometer is available in scales A, B, C, D, DO, E, O, M, OO, OOO-S and Calibration certificate and Guarantee certificate in a deluxe wooden box.

- Range : 0 -100° Shore Unit
- Least Count : 1° Shore Unit

ANALOGUE MODELS

HARDNESS TESTER (SHRT I)

Precision Hardness Tester suitable for checking on standard specimen and various rubber parts in production control routine and series test.



SHRT I

DSHT II

SUPER DUROMETER (DSHT II)

Durometer Hardness Tester with extra bottom designed for error free reading and provides limit point for maximum pressing on the specimen. Most suitable hardness tester for Tyres & Tubes and similar type of various rubber parts.



DSHT M III
with Memory Pointer

DSHT III

SHORE DUROMETER (DSHT III)

Durometer Tester working with precision gear Mechanism gives maximum accuracy and long lasting used in reception, inspection, production control, test laboratory routine test and series test on standard specimen and various rubber parts.

LONG PROBE

It is precision with slim probe, highly accurate and repetitive. Specially designed foot for testing in narrow areas and irregular shapes specimen. Available in Digital & Analog models of all types as per International standard



LPHT I

LPHT II

DIGITAL HARDNESS TESTER as per ASTM D 2240 & DIN 53505

Digital Durometer :

Most suitable hardness tester for quick and accurate hardness determination, long life and robust electronic hardware for error free testing.

Specification :

- Power Supply : 1.5V LR 44 battery.
- Indenter : as per specified types.
- Operating Key : ON/ OFF& Zero./Re Set
- Range : 0 to 100 shore unit
- Least Count : 1shore Unit



EDHT I

Digital Table Top Hardness Tester

with separate hand test probe is used specially for laboratory test on various rubber specimens. Reading in a large led display with maximum holding facilities and can be calibrated in house.



EDHT II

Technical Specification :

Strictly per ASTM D 2240 & DIN 53505 :

- Read Out : Digital LED display.
- Range : 0 to 100 shore unit.
- Least Count : 0.5 shore unit.
- Peak value holding and keeps in memory upto 20 test.
- Batteries and Power operated.
- Power Supply : 220 V AC one phase.
- Available in Shore A, D & other types.

STAND FOR HARDNESS TESTER (Lab Model)

SND LP-II



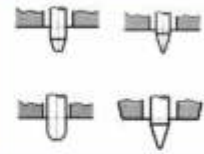
SNDL -10N/45N



Durometer operating stand primary function is to increase the reproducibility, Repeatability, accuracy and precision of the hardness determination acquired with durometer. The durometer operating

stand works on the constant load Principle. The sample is positioned on the support table the durometer is covered shock free by means operated lever. The hardness can be read directly from the Durometer.

Hardness Determination with different Indetors



INTERNATIONAL RUBBER HARDNESS DEGREE METER

(IRHD)



IRHD



EIRHD

IRHD (as per IS 3400 (Part II) 1980) meter is used to determine the hardness components where highly accuracy and reliable determination of the hardness is of extreme important. The principal behind determination of hardness by dead load apparatus is based on the measurement of the difference between the depth of indentation of a standard ball into the rubber under a small conduct force and a large indenting force

FIELD OF APPLICATION :

Reception Inspection, Production control, test laboratory for routine test and series test on various rubber parts & standard specimen.

Type : Analogue & Digital

MICRO HARDNESS TESTER WITH STAND

Specification :

- Applied load : 78gf
- Indentor : 30° Angle
- Indentor Diameter : 0.79mm
- Indentor Extension : 1.25mm
- Indication : Scale : 0 - 100
Sweep : 180°
Resolution : 1 point
- Force on Indentor : 78gm

DSHT MIII



(For testing on very thin and small rubber parts)
as per ASTM D 2240 (Type M) ISO 7619 (Type M)

Technical Specification :

Stech make micro hardness tester was developed in response to the need to test specimens that are small, thin irregularly configured or could not otherwise be accommodated by typical durometer types this instrument would perform durometer tests on such specimens quickly and easily with both precision & accuracy, The micro hardness tester was modeled after the familiar ASTM D2240 Type A durometer. It employs a much lighter mainspring and considerably very smaller indentor.

The incorporation of a high quality operating stand overcome the element of sensitivity and added considerable flexibility.

The total force necessary to attain a full scale reading is approximately 10% of that of a type A durometer. The lower requirement of force coupled with smaller indentor, allows for the testing of finished products rather than specially prepared test specimen.

COMPRESSION SET APPARATUS

[as per IS 3400 (Part 10) 1977]



Quick Clamp Type



Plate Type

for testing under constant strain plate's type with base plate and hand wheel arrangement consists of four steel plates with flat and parallel ground faces. The plates are moving in a fixture having a rigid base plates guided on a pair of rods. The spacers are also guided on the same rods with springs in between to increase the space between the plates for inserting the specimen.

THICKNESS GAUGES

Stech manufactures various types of Thickness Gauges to check the thickness of Rubber, Paper, Fabric, Card Board, Films etc. as per IS 3400 (Part I) 1977. Most suitable for checking thickness of Rubber sheet, Fabrics, Leather, Rexine, Paper, Thin Films and all other flexible materials. It provides a maximum compression load on the specimen to get exact reading as per IS specification. Hand held thickness gauges are available in different accuracy, range and throats. It available in Analog and Digital version.

YARN/WIRE TENSION METER



Range Available

- 50 - 500gm
- 200-2000gm
- More than 4000gm

Wire tension meter's are manufactured in an easy to handle design light weight, highly precision, more accurate, getting direct reading of tension from the dial instead of doing calculations after getting indirect readings as in some other meters. The instruments are suitable to check the tension of Yarn/Wire high speed spinning and winding are being done

COATING THICKNESS GAUGE

Coat Gauge measure the thickness of magnetic or non magnetic coating over any ferrous or non ferrous materials like Powder coating, Painting, Plating, Lining, Anodizing. Various models are available with integrated probe/separate probe and calibrated foils of various thicknesses



SPECIFIC GRAVITY BALANCE

DIGITAL DENSITY BALANCE CUM WEIGHING BALANCE along with Density determination Kit and LED Green Display (Automated for Density and Volume change determinations) Capacity : 125g, Accuracy : 0.001g



SPECIFIC GRAVITY BALANCE direct reading type for use on vulcanized rubber or such other elastomers. The balance consists of rigid quadrant scale with figures printed on the scale standing vertically fitted on a heavy base. The balance is calibrated from 0.9 to 3.0. for most elastomers the Specific Gravity lies between 0.9, 2.0 and test results in this range can be read directly and accurately by two decimal places. The balance is supplied with glass baker and calibration weight for periodical checking

EXACT COMPRESSION THICKNESS GAUGE

Analogue Type



Digital Type



LONG ARM THICKNESS GAUGE

Analogue Type



Digital Type



RESILIENCE TESTER



Resilience Tester (as per ASTM D 2632) is used to test an important property of resilience of rubber and such other elastomer is defined as the energy returned by specimen when it suddenly released from a state of strain or deformation. The energy returned is express as the percentage of original potential energy is a measure of Resilience.
Range : 0 to 100R

GOODRICH FLEXOMETER

ASTM D 623 78 (Method A) heat generation and flexing fatigue due to high frequency cycle compress. Goodrich Flexometer, a definite compressive load is applied to a test specimen through a lever system having high inertia while imposing on the specimen an additional high frequency cyclic compression of definite amplitude the increase in temperature at the base of the test specimen is measure and indicate in the digital display a well as the change in height with the observed permanent set after the tester.



FLEX TESTER

DE MATTIA FLEX TESTER

DE MATTIA FLEX TESTER (as per IS 3400 (Part 7, 8) 1977 IS 7016) , electrically operated provides information about the resistance of vulcanized rubber compounds, coated and treated fabrics to cracking when subject to flexing. Crack development in that part of the surface where stresses are set up during flexing, or if that part of the surface initially containing a crack, causes this crack to extend in the direction perpendicular to stress. This test also assesses the durability of material. The machine tests six specimens at a time.



DE MATIA FLEX TESTER WITH WEATHER CHAMBER

Features :

- Temperature Range : - 40°C to 300°C
- Digital PID Temperature Controller
- Data logger with software.
- Internal Chamber made of SS
- Outer body made of MS powder coated.
- Chamber size for 12 specimen and 24 specimen
- Suitable for long period testing



ROSS FLEX TESTER

The ROSS rubber flexing machine (as per ASTM D 1424 & DIN 53862) is designed to determine resistance of vulcanized or synthetic elastomers to cut growth. It conforms to ASTM method D 1052, as well as ISO 4643. This model can test 12 samples simultaneously. Digital pre settable counter for memory cycles. Most suitable for shoe soles



ABRASION TESTER

(DIN 53516)



A cylindrical test specimen of prescribed dimensions is drawn across a test emery paper with corundum of 60 grades at a constant force of application of 10 N and at a constant speed of 0.32 m/s, the abrasion distance being 40 m or in special cases 20m. An abrasive powering the range from 170mg to 220mg is allowable. The loss of mass of the test specimen in mg is determined to within 1mg by weighing and its volume loss calculated on the basis of the density determined according to DIN 53 479. The test procedure according to standard DIN 53516, provides a measuring method for assessing the resistance of elastomers to wear by rubbing. The determination of the volume loss by rubbing with a test emery of defined abrasive power by this method is suitable for comparative testing, for checking the uniformity of specified products and for specifications; however, the results of this test gives only limited information on the wearing behavior of elastomers in practice

Taber type Abrasion Tester is an Industrial Standard used in the wear and durability. Testing of ceramics plastics, rubber, textiles, metals, leather, flooring and paint/electroplating and other coated materials. It is widely used in Research and Development / Process Control and quality assurance as per International Standard.



TABER TYPE

ABRASION TESTER

RUBPROOFNESS TESTER



RUBRESISTANCE & ABRASION TESTER Is used to measure accurately the Rubproofness of prints on paper or board, it is used to measure colour transfer from printed or coated materials during rubbing (rubfastness) and the abrasion resistance of plastic materials and leather. It lends itself as an ideal test-bed for investigating, under carefully controlled conditions, new procedures, which involve a rubbing action to establish rubproofness of material under test.

This machine is intended to measure the Rubproofness of prints on paper, board or metal foil. It can also be used to measure colour transfer from printed or coated materials during rubbing and the Abrasion resistance of some plastic materials and leather.

The Cut and Chip Tester was originally invented by BF Goodrich Co. It was designed to measure the relative service life of off-the-road, farm and heavy duty treads that are subjected to the rigors of traveling on rocky surfaces.



CUT AND CHIP TESTER

Applications

- Off-the-road tread stocks
- Farm tread stocks Heavy duty tread stocks

VELCRO ENDURANCE

Endurame Testing Machine as per IS 8156. (For velcro Fastner)



Endurame Testing Machine as per IS 8156 (For velcro Fastner)
Through the apparatus to achieve Velcro (hook & loop) to repeated stripping and peeling after a certain times. Cut the sample into 75mm X 20mm with press it with the wheel to be fitted completely.

Technical Parameter :

Specimen dimension: Length : 540±10mm, width: 20-50mm
Diameter of upper circular drum : 162.5±0.5mm
Diameter of lower circular drum : 160±0.5mm
Width of circular drum : 70mm
Slot : length : 55±2mm, width : 4mm
Testing Speed : 60 ± 5r/min
Reversed time : 30 ± 5s
Load : 1 ± 0.1N/mm Testing times : 5000r (adjustable)
Counter : LED display, 0-9999 random setting
Dimension : 450x540x550mm Weight : 75kgs
Power : 220V/110V, 50Hz/60Hz, Single Phase

As per ASTM D1894-11

CO EFFICIENT OF FRICTION TESTER



DIGITAL

The Co – Efficient of friction is the ratio of the frictional resistance to the normal pressure acting on two surfaces in contact. This Co-Efficient of friction is an inverse measure of the relative ease with which the surface of one material will slide over a similar surface or over the surface of another material.

There are two methods (A & B) can be adopted for measurement of Co – Efficient of friction of Plastic, Rubber, Paper, Films and other similar materials. Digital and Computerized Models are available with a constant rate of traverse speed and Standard Sled.



COMPUTERIZED

ELECTRONIC DIGITAL SPRING TESTING MACHINE

ELECTRONIC DIGITAL SPRING TESTING MACHINE is designed to test the compression load vs length and tension load vs length. The extension and compression length is monitored in the digital display in mm by 0.1mm and the force is displayed in kgf/N. The machine can also use for tensile and elongation of various materials and other force related test can also done with specified fixtures.

COMPUTERIZED
MODEL:
SECCF-215



DIGITAL
MODEL:
SECF- 216



SPARK TESTER



Testing of Rubber lined Vessels :

The handle of the spark tester is attached to a brush consisting of very fine brass mesh. This brush is then moved over the lining of the vessel or tank and every fault in the lining is detected by the formation of a bright spark from the brush to the defective spot. Depending upon the size of the area brushes of various widths are selected. Usually brushes of six inches and twelve inches widths are popularly used. In case, the lining of pipes of small diameters is to be tested, then copper wires bound together in the form of a broom is used, and in the case of pipes having a large diameter circular disc electrodes are passed through them. In case of faulty lining of such pipes a formation of a bright spark will be visible from either of the ends. Defects of lining in the inside of pipes cannot be repaired and the lining should be burnt and replaced by a new one.

- Double switch : 0 to 10 KV & 10 KV to 40 KV (Selectively)
- Continuous Tests period : 10min.
- Power Supply : 220 – 240 V-AC

DIGITAL BOND / PEEL ADHESION TESTER



DIGITAL BOND / PEEL ADHESION TESTER

Determining the strength of adhesion by breaking away between the two layers bonded closely at a constant rate provided. The smaller specimen is wrapped around the sled and the higher specimen is clamped to the top of platform. A load cell type dynamometer is provided for measuring force for moving the sled. Most suitable for checking the co efficient of friction of rubber sheet, fabrics, leather, rexine, paper, thin films etc.

Available in different Capacity and Accuracy

COIR / MATTRESS FLEXING MACHINE



COIR / MATTRESS FLEXING MACHINE (For rubberized coir sheets & slabs) as per IS 8391 – 1977 is used in determination of change in indentation of rubberized coir sheets and slabs due to repeated pressing encountered in their day to day use is of great importance in determining their quality. This change indicates the likely behavior of the material after prolonged use.

INDENTATION HARDNESS TESTER

DIGITAL MODEL



INDENTATION HARDNESS TESTER FOR POLYURETHANE FOAM / COIR

The feel of softness of any flexible foam is quantitatively defined by its indentation hardness. Indentation hardness is determined by pressing a circular indenter at a specified speed against a block of foam and finding the force needed to compress it to a specified percentage of its initial thickness.

MUFFLE FURNACE



MUFFLE FURNACE

for Ash Content test with Digital Indicator cum Controller.

Size : 4" X 4" X 9"
5" X 5" X 10"
6" X 6" X 12"

Maximum Temperature : 600°C
900°C
1200°C

HOT AIR OVEN

Hot Air Ovens are designed for laboratory purpose. These ovens are highly accurate in temperature stability and circulating Hot Air throughout the chamber with the help of an air blower. The outer body is fabricated with mild steel sheet and inner chamber is fabricated with stainless steel.

It is available in different size and temperature



LOW TEMPERATURE CABINET (COLD CHAMBER)

Specification :

PID Control Timer Alarm
 Insulation : 100mm P.U.F. Insulation between two walls
 Cooling : Fitted with "Emerson" Compressor Ozone friendly
 Hermetically sealed compressor charged with CFC/HCFC Free
 Refrigerant; complete with air cooled condenser, Condenser,
 fan motor, drier, capillary, etc.
 Indication : Digital indication for temperature.
 Temperature range : - 40°C
 Accuracy : +/- 3°C.
 Construction : Double wall [Outer Body will be M. S powder
 coated and Inner will be of S.S 304] Main door will be of MS
 Powder coated with Magnetic lock and Gasket.



RHEOMETER



OSCILLATING DISC RHEOMETER (With Computer set)

Sample volume	: About 8 cm ³
Manufacturing Standards	: in Compliance with ASTM D 2084, ISO 3417
Main Power supply	: AC 175-275V, 50 HZ, 20 Amp maximum
Compressed Air	: 60 psi (4.2 kg/Sq/cm.) Min. (Air-compressed is to be user's own equipment)
Frequency of Oscillating Disk	: 100 cycles / min (1.66HZ)
Oscillating Amplitude	: + 1°, 3°, 5° (Half cycle)
Temperature Control	: Microprocessor controlled
Range	: 100° - 200°
Temp. (Sensor)	: PT-100
Torque Transducer	: (Reaction Torque Sensor)
Printed Data	: Color Inkjet Printer
Environment	: Free from Dust & Humidity
Panel (Measurement)	: Table Top (46 x 24 x 24 inches)

MOVING DISC RHEOMETER (with Computer set)

Sample volume	: About 4.5 cm ³
Oscillating Amplitude	: + 0.5°, 1°, 3°
Oscillating Frequency	: 100 cycles per minute (1.66 HZ)
Temperature	: Microprocessor controlled
Range	: 100° -200°, PID control
Electrical	: 220 Volts AC60 Hz, Single phase
Air Pressure	: 60 PSI (4.2 kg/cm ² , minimum (Air compressor to be user own equipment)
Printed Data : Torque	: S'@ML, S''@ML, Tan Delta@MLS'@MH, S''@MH, Tan Delta @MH Ts1, Ts2, Ts5, Tc10, Tc50, Tc90
Graphic Output	: Elastic Torque S'Tan Delta Viscous Torque S
Testing Standards	: ASTM D 5289, ISO 6502
Weight	: 275 kg
Panel (Measurement)	: i) Main panel 56(H) x 24 (W) x 24 (L) inches (1422mm x 610mm x 610mm)

MOONEY VISCOMETER

FEATURES:

COMPUTERIZED TESTING

1. Automatic machine start & stop for each specimen
2. Continuous testing of samples depending upon batches, stock
3. Each specimen graph is shown with separate color.
4. Unlimited number of graph per screen
5. The results are marked on the graph during display
6. Each user is identified and can be given a Passwords
7. Software provides automatic or user defined data backup and compact option.
8. User can view, delete specimen for a period
9. User can write backup on CD

STATISTICAL QUALITY CONTROL :

1. 3 quality control gates (3 QC Gates)
2. User can define Master graph
3. Choices of selecting any parameter as pass fail criteria
4. Extensive statistical analytical parameters such as CP, Cpk, Cof. of Variation, MI, MH, ML, T.MIN, T.MAX, TS2, TS1, TC50, TC90, TP, Opt. Cure Rate, End Temp., Trend, Reversion Time, Value (Bar Graph).
5. User can add own comments for future references for each stock
6. A graphical report can also be seen on screen while testing to compare the specimen
7. Master graph facilities of single parameter result to study
8. The statistical analysis can also help in setting Quality control parameters of stock



FULLY AUTOMATIC COMPUTERISED DOUBLE SCREW UNIVERSAL TESTING MACHINE

APPLICATIONS

This Electronic Computer Controlled Universal Testing Machine consists of host machine, mechanical limit switch, electrical system, test accessories, etc. it is suitable for tensile, compression, bending and other mechanical property for metal and non-metal material, such as steel, aluminium, copper, geotextile, plastic, rubber, thread, wood, alloy, PVC, spring electrical wire and cable, composite material, profiled bar, waterproof roll and all ASTM, ISO, JIS, DIN, BS, EN relative material mechanical testing standards. The machine is calibrated according to international norms requirement as ASTM E4, ASTM E83, ISO 7500 – 1, ISO 9513 and supply a full detailed calibration certificate. They are essential testing instruments for quality control section, university and college, research institution and mining enterprise quality lab.

CONTROL SYSTEM :

- a. High accuracy load cell, encoder and optional extensometer to test the force, displacement and extension. Reading resolution can be 1/300000 of full range. Computer 3 close -loop control testing mode of load, displacement and extension.
- b. Large extension and digital gauge input channel for special test of deformation.
- c. Speed control from 0.01 to 500mm/min (special 1000mm/min) by servo motor
- d. PCI computer control card to get the test value and control the servo motor
- e. Multi languages supported, data saves and transports to Microsoft words, Excel.



UTM
(Computerised)
Model : SE UTM 005

- f. Database function, allow customer define test method, real time test point value, value result formula and test report format.
- g. Multi sensor supported. Max 3 load cell, 3 strain gauge extensometer, 1 large deformation extensometer and 1 digital gauge can be defined.
- h. Metric and British unit exchanging supported mm, N, KN, Kg and Inches, lbs and Pound.
- i. Calibration automatically and easily.
- j. Two grade of user administrate system for common operator and system administrator

Test Accessories for UTM :

- Wedge Action Grips
- Pneumatic Grips
- Hydraulic Grips
- Strain Gauges / Extensometer
- Compression / Bending / Puncture Testing Grips & Fixtures
- Environmental Weather Conditioning Chamber for high & low temperature.

GRIPS & ACCESSORIES



FULLY AUTOMATIC COMPUTERISED SINGLE SCREW TENSILE TESTING MACHINE



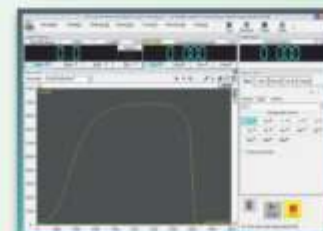
Specification :

- Data Processing Facility : Embedded controller inside with external monitor
- Load cell : with one load cell
- Crosshead speed : 5mm/min to 600mm/m in
- Accuracy of Crosshead speed : 1 mm
- Trip Space for Crosshead : 1000 mm
- Testing space Width : unrestricted
- Accuracy of force : + 1% of applied force
- Speed setting Method : Steeples speed setting
- Clamp : With one mechanical clamp for tension set
- Power Unit : Electronic Variable frequency drive
- Motor : AC servo controlled motor
- Screw : With single ball screw
- Power Source : AC 230 + 10%, 50/60 + 3Hz
- Test results includes ultimate Tensile Testing Strength at break
- Maximum extension at break
- Percentage of Extension
- Percentage of Compression
- Yield stress, Yield Point, Young Modules
- Flexural stress, Flexural modules
- Graph of stress vs strain
- Specification of specimen (Data Sheet)
- All operations through computer or control systems
- All electrical and electronic safety features provided
- Self Calibration Software for load and extension provided
- Power Supply : 240V, 50Hz, Single Phase
- Maximum weight of machine : 550kg. (approximate)

- Measure Unit : S.I. metric or Imperial unit Functions of the apparatus : Applied to rubber plastic leather metal nylon code, textile fabric, providing stress, strain & elongation.
- Customized Testing requirements can also done with specified testing method (ie. Bending, Bonding, Flexural, Pulling, Punching, etc.)

Optional Accessories :

- Computer Set with latest version, Window XP
- Grips and accessories ● Extensometer



FULLY AUTOMATIC ELECTRONIC DIGITAL DISPLAY TENSILE TESTING MACHINE

With inbuilt result calculating software and Printer Readout for testing Tensile & Elongation of Polymer materials as per International Standard, as per ASTM D 412.
Model : SE/EDTM/2000.

SE-ETM2000

Feature:

- Accuracy / Resolution : 0.5%
- Large LED Display for Load and Elongation.
- Peak Value hold and store in memory upto 20 tests.
- Auto stop at specimen break and keeping the Cross Head grip at test position
- High Strength parallel wave's grips for polymer test specimens.
- Microprocessor control panel for easy operations.
- Fully powder coated body for long period corrosion and weather hazard protection.
- Speed of Cross Head : 50mm/min to 500mm/min or as per standard specification for testing materials.
- Cross Head Clearance : 350mm
- Elongation upto 800mm and 0.1cm Resolution



FULLY AUTOMATIC ELECTRONIC DIGITAL DISPLAY TENSILE TESTING MACHINE

UTM (Digital)
Model : SE UTM 004

HYDRAULIC SPECIMEN CUTTING PRESS

Hydraulic type specimen cutting press is suitable for quick and accurate cutting of specimen. It can accommodate various type for cutting die and the pressure can be released quickly to remove the specimen.

Capacity : upto 5 tons.



PNEUMATIC SPECIMEN CUTTING PRESS



Pneumatic specimen cutting press for cutting flat rubber, plastic, paper and other flexible and rigid polymer material into samples or standard shape specimens. Pneumatic specimen press is able to coordinate with various cutters to cut them into samples or into standard shape specimen. Ready for tensile resistant test, tearing test, elongation, aging sample and other test. Pneumatic specimen press takes advantages of pneumatic compressor to provides an automated media force to give a quick and easy cutting environment for specimen preparation. This test product can meet your testing requirement & supply solutions of problems.

TOGGLE SPECIMEN CUTTING PRESS :

Toggle Press is a very convenient handy equipment for specimen cutting with high leverage and accurate cutting in one quick single stroke. It allows only the required thickness of specimen to cut and keep the die edges from extra deep penetration.



SPECIMEN MOULDS



SPECIMEN CUTTING DIES

AS PER ASTM ,DIN, ISO, IS, JIS STANDARDS.



Specimen Cutting Dies as per International Standard are available in different size and shapes. Made with Hardened TOOL STEEL



Volkswagen



Johnson & Johnson



APAR INDUSTRIES LTD.

Raychem RPG
ENGINEERED FOR GROWTH



**INNOVA
RUBBERS**
PRIVATE LIMITED



Our Valued Clients



Mahindra



Hindustan Unilever
Limited





STECH ENGINEERS
TESTING MACHINES

STECH ENGINEERS

Manufacturer of Material Testing Machines

Unit 1 : 4 & 5 - B, Kiran Indl. Estate, V.S Marg, Old Jivdani Road, Panchpayari, Virar (East), Dist: Palghar 401 303. Maharashtra, INDIA.

Unit 2 : G3, Bldg. No : 6, Meghdoot Indl. Estate, HDIL Indl. Park, Chandansar Road, Virar (East), Dist : Palghar 401303.

Contact No. : + 91 8554902452 / +91 904907894

Email : sales@stechengineersmumbai.com | stechs@rediffmail.com | office.stech@gmail.com

Web.: www.stechengineersmumbai.com | stechengineers.com

Branches : Chennai, INDIA | Colombo, SRI LANKA.



AN ISO 9001 : 2015 CERTIFIED CO.

*Quality Products, Affordable Price,
Speedy Response, Fastest Delivery,
Calibration & Servicing*