AN ISO 9001: 2015 CERTIFIED COMPANY





Saumya

YOUR **BACKBONE** FOR
QUALITY ASSURANCE!

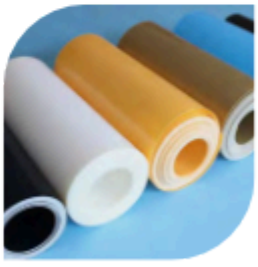






MANUFACTURER & EXPORTER OF

MEASURING, TESTING & ANCILLARY MACHINES



Saumya Technocrates Pvt. Ltd.

ABOUT US

Saumya is a India's most Reliable and Premier Testing Machinery Manufacturer and Exporter with an Industry Experience of over 29 years. Saumya Having Brand Value in Quality Material & Product Testing Machineries with more than 4000 valued Customers in Various Applications of Plastics, Packaging, Rubber and Wood Industries. Globally our machines are accepted to Confirm the Quality and Reliability of their Products with Confidence.

Saumya' s Products are perfect harmony between cost & quality created with the passion to deliver European quality with Indian Price.

Saumya's Success Stands on Four Pillars of Corporate Culture, Team Work, Customers Satisfaction and Suppliers Support.

VISION

Saumya having Vision to Provide World's Best Technology for Quality Assurance to Customer with Zero Defect.

CLIENTELE

And Many Mores....

INSTALLATIONS



INDEX

HYDROSTATIC PRESSURE TESTER (IPCR TEST) 02
HOT, COLD AND HOT & COLD WATER BATH 02
END CAPS & FITTINGS 03
TEST BENCH FOR FITTINGS & VALVES 03
OXIDATIVE INDUCTION TIME TESTER 03
UNIVERSAL TESTING MACHINE 03
CUTTING DIE PUNCH & PRESS 04
CONTOUR CUTTER 04
SPECIMEN MILLING MACHINE 04
MELT FLOW INDEXER 05
CARBON BLACK CONTENT TESTER 05
CARBON BLACK DISPERSION 05
DENSITY PRESS 05
V NOTCHING MACHINE 06
OIL BATH FOR REVERSION TEST 06
MUFFLE FURNACE 06
VSP / HDT TESTER 06
IMPACT TESTER FOR PIPES 06
MALFUNCTION TESTER 06
VISCOMETER BATH FOR K VALUE TEST 06
AXIAL SHRINKAGE TESTER 07
CHAMFER CUTTER 07
DICHLOROMETHANE TESTER 07
HYDRO TEST AT ELEVATED TEMPERATURE 07
PULL OUT TESTER FOR INLINE EMITTERS 07
PULL OUT TESTER FOR ONLINE EMITTERS 07
GAUGES FOR LATERAL PIPES 07
EMITTER FLOW RATE MEASUREMENT APPARATUS 07
LEAK TIGHTNESS TEST UNDER INTERNAL 08
HYDROSTATIC PRESSURE SUBJECT TO BENDING 08
SQUEEZE OF TESTER FOR PIPE 08
ROTATIONAL MICROTOME 08
CYCLIC HYDRO STATIC PRESSURE TESTER FOR PIPE 08
CRUSH RESISTANCE FOR PLB DUCT 08
RING STIFFNESS TESTER 08
ANGULAR DEFLECTION BENCH 09
BENDING TEST FOR DWC PIPE 09
VACUUM TEST EQUIPMENT FOR PIPE 09
TOP LOAD TESTER 09
HEIGHT GAUGE 09
HOT WIRE BOTTLE TEST 09
TORQUE TESTER 09
BURSTING STRENGTH TESTER 09
VIBRATION TESTER 10
COEFFICIENT OF FRICTION TESTER 10
DART IMPACT TESTER 10
GSM WEIGHING BALANCE 10
ROUND CUTTER FOR GSM 10
HEAT SEAL TESTER 10
LEAKAGE TESTER 10
LABORATORY MICROMETER 11
OPACITY AND TRANSPARENCY TESTER 11
OPTICAL DENSITOMETER 11
DIGITAL THICKNESS GAUGE
VACUUM OVEN 11
TEAR STRENGTH TESTER (ELMENDORF TYPE) 11
SCUFF RESISTANCE TESTER 11
BOND/PEEL TESTER 12
BALLOON BURST TESTER 12
COMPRESSION TESTER FOR CORRUGATE BOX 12
& PLASTIC CRATES
BLOCK AGING OVEN 12
FATIGUE COMPRESSIBILITY TESTER 12
COMPRESSION SET FOR RUBBER 12
NCTL MACHINE 12
TWO ROLL MILL 13
LABORATORY MIXER 13
HYDRAULIC COMPRESSION PRESS 13
IZOD/ CHARPY IMPACT TESTER 13
NOTCH CUTTER 13
ENVIRONMENTAL STRESS CRACK RESISTANCE TESTER 13
PARTICLE SIZE ANALYSER 13
TENSILE PERFORMANCE TEST 14
TORSION TEST FOR MICRO DUCT AND OFC CABLES 14
ABRASION TEST FOR MICRO DUCT AND OFC CABLES 14
FLEXIBILITY TEST FOR MICRO DUCT AND OFC CABLES 14
BEND TEST FOR MICRO DUCT AND OFC CABLES 14
CRUSH TESTER FOR MICRO DUCT AND OFC CABLES 14
AIR CIRCULATING HOT AIR OVEN 14
HIGH VOLTAGE TESTER 15
COMPRESSION TESTER FOR PVC CONDUIT 15
IMPACT TESTER FOR PVC CONDUIT 15
BENDING TESTER FOR PVC CONDUIT 15
COLLAPSE TEST APPARATUS 15
GAUGES FOR PVC CONDUIT PIPE 15
BALL POINT PRESSURE TEST 15
FLAMMABILITY TESTER 15
HUMIDITY CHAMBER 16
FREEZER 16
DIGITAL DENSITY MICROBALANCE WITH KIT 16
TRAVELLING MICROSCOPE 16
ULTRASONIC THICKNESS GAUGE 16
BULK DENSITY TESTER 16
MELTING POINT APPARATUS 16
MOISTURE ANALYZER 17
COLOR MATCHING CABINET 17
HARDNESS TESTER SHORE A & D 17
IRHD TESTER 17
WRAP REEL 17
GARDNER IMPACT TESTER 17
THERMO-CYCLIC TESTING EQUIPMENT 17
DROP IMPACT TESTER FOR SHEETS 17
LEAK AND COMPRESSION TESTER FOR 17
SPIRAL WOUND GASKETS

HYDROSTATIC PRESSURE TESTER (IPCR TEST)

Hydrostatic testing is a method for checking the integrity and strength of pressure vessels, pipelines and other components. These components are subjected to high-pressure fluid to detect leaks, weaknesses, or structural defects.

Saumya's Hydrostatic Pressure Testers are designed in accordance with regulatory standards and ensure a safe and reliable pressure testing experience.

Our Hydrostatic Pressure Testers also feature state of the art data acquisition systems that monitor pressure changes throughout the testing period and can allow both real time monitoring and creation of detailed reports subsequent to testing.

Saumya's Hydrostatic Pressure Testers are designed for high degree of sensitivity, precise pressure control and state of the art safety features to ensure safety of operators, machinery and of components being tested.

Easy to use and simple to set up, Saumya's Hydrostatic Pressure Equipment have created a name in the industry by serving thousands of happy customers over several decades.

Saumya have updated designs frequently to improve the needs of customers and to ease to test and updated pressure testing machines with technology from Generation 1, Generation 2 and Generation 3 till date



GENERATION 1

This pressure testing machines are available from Station 1 to Station 4. Pressure developing system in this machine are via Hydro Pneumatic Pump.

Equipped with Digital Pressure controlling system with pressure setting with Throttle valves for High and Low setting on front of panel. Available in Digital and Computerized Models.

Input supply of Air and Water are required for test.



GENERATION 2

This pressure testing machines are available from Station 1 to Station 15 Pressure developing system in this machine are via Plunger Pump.

Equipped with Digital Pressure controlling semi automatic system with pressure setting with Throttle valves for High and Low setting on front of panel. Available in Digital and Computerized Models.

Input supply of Water are required for test.



GENERATION 3 (Dhyana Series)

This pressure testing machines are also Air Less system as Generation 3 models This IPCR test Machines are available from Station 1 to Station 15. Pressure developing system in this machine are via Plunger Pump.

Equipped with PLC, HMI and AC Variable frequency drive for Plunger pump motor to control automatic function for IPCR test, Slow and Fast Burst test and Cyclic Test for different types of Samples. It has two-way communication and can be operated from PC or from HMI on Machine. Versatile software to record the data and perform different test and to generate the report with Graphical report and test report in Excel.

Input supply of only Water is required for test.



HOT, COLD AND HOT & COLD WATER BATH

A Water Bath is used to control and maintain the temperature provide a stable and controlled temperature environment for sample storage, conditioning or quality testing.

Saumya's Water Baths are designed for precise temperature control stability and safety. Internal sensors continuously monitor and adjust water temperature using automated PID based control systems. Built-in agitator circulation system guarantees accuracy and uniform temperature distribution throughout the chamber while double insulated walls keep outer surfaces safe to touch and energy losses to a minimum.

Saumya's Hot and Cold-Water Baths have an advantage in that they can be operated across many countries with various operational voltages allowing safe and easy adoption.

Our sturdy designs are a balanced between price and performance. Our Water Baths are suitable for standardized testing scenarios across various industries. Available in various sizes and customizable based on client specific requirements (please enquire for specifications).

Temperature Range for HOT Bath: Ambient to 95°C
Temperature Range for COLD Bath: Ambient to 18°C

Standard Sizes are in Inch (L X W X H) :

48” x 24” X 18”	48” x 24” X 48”
48” x 30” X 18”	60” x 40” X 60”
48” x 36” X 18”	79” x 40” X 60”
48” x 36” X 22”	98” x 49” X 60”

Customized sizes are supplied on request.



END CAPS & FITTINGS

Saumya'sEnd Capsare designed to createa securely sealed closed system for maintaining structural stability and integrity of samples during testing.

Our end caps for hydrostatic testing are applied on both ends to ensure that the test medium is contained within the system, allowing pressure to be applied uniformly throughout the test component.

Available in various types and sizes to ensure best fit. Like Cone shape, Cap and Clamp type and Easy fit in M.S. with Aluminum clamps and S.S. 304.

Ensure Fast and secure leak proof fitting with less human stress and efforts, Easy Fit end caps are designed so that it can be easily removed from sample opened after test, Easy Fit end caps for hydrostatic testing are applied on both ends to ensure that the test medium is contained within the system, allowing pressure to be applied uniformly throughout the test component.



TEST BENCH FOR FITTINGS & VALVES

Atest bench forburst testingPVC (Polyvinyl Chloride) and CPVC(Chlorinated Polyvinyl Chloride) fittings involves creating a controlled environment to subject the fittings to internal pressure until they fail. Assemble the PVC or CPVC fitting onto the test bench, ensuring it's securely connected and sealed with safety.

OXIDATIVE INDUCTION TIME TESTER

DTA



OIT - AVA

Oxidative Induction Testers (OIT)are a criticaltoolforassessingtheoxidative stability of plastics and polymers. Oxidative stability of plastics is vital for maintaining product integrity. Any variations in thermal properties can indicate quality issues or deviations in the manufacturing process.

Saumya's OIT-DTA apparatus helps manufacturers ensure that their materials do not degrade or become brittle due to oxidation over time making it valuable for preventing costly product recalls and ensuring the safety of end- users.

Our apparatus is designed for high precision and sensitivity in measuring the oxidation induction time of materials, ensuring you can detect even subtle changes in material stability. It features robust data management capabilities, enabling you to track and analyze oxidation induction time data over time, facilitating quality control and material development.

DSC



DHYANA – TA – 600

The “DHYANA – TA – 600” Differential Scanning Calorimeter (DSC) is a powerful and versatile thermal analyzer that allows for measurement of properties on a broad variety of materials from RT to 600°C. The DSC determines the temperature and heat flow associated with material transitions as a function of time and temperature. It also provides quantitative and qualitative data on endothermic (heat absorption) and exothermic (heat evolution) processes of materials during physical transitions that are caused by phase changes, melting, glass transitions, crystallization, oxidation, and other heat related changes. This information helps the scientist or engineer identify processing and end-use performance. The DSC instrument works in conjunction with a controller and associated software to allow for data acquisition and analysis.

At Saumya Tech it is our priority and privilege to provide precision, ease of use, and customization to meet the unique requirements of our clients.



UNIVERSAL TESTING MACHINE

AUTM or UniversalTesting machine is a versatile apparatusemployed to test the mechanical properties of materials,

such as tensile strength, compression strength, flexural strength, Pulling, Pushing, bending, Shearing, Stiffness, Flattening and more. It is a valuable device for understanding how materials will behave under different loads and conditions.

We prioritize accuracy and precision for repeatable test results. Our machines are easy to use, feature excellent data collection systems and can be modified with a wide range of grips and other accessories for a fast and reliable testing environment that merges with production processes for various products.

Saumya produces a wide range of UTMs to perform tests that demonstrate compliance to standard regulations and facilitate certification processes across a many products and industries.

Saumya is one of the leading producers of quality Universal Testing Machines with products ranging from table top UTMs to high-capacity floor case units and horizontal UTMs. We provide customizability options for SERVO controlled, computerized and fully automated machines with Hot and Cold Chambers to cater to any use case.

UNIVERSAL TESTING MACHINE

UTM - AV



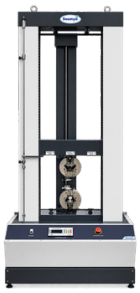
These models are made for Low load range measurement, Table top models are used for testing Films, Woven bags and small samples of different products to give accuracy and perfection in resul ts.

UTM - BV



These models are Single screw and floor model, applicable for Load capacity up to 1000 Kgf, capable of performing test of Tensile, elongation, Compression, Flexural, Bending, Shear and many more with different attachments.

UTM - D2



These models are Twin columns and floor model, applicable for Load capacity up to 20000 Kgf, capable of performing test of Tensile, elongation, Compression, Flexural, Bending, Shear and many more with different attachments.

UTM - V50T



These models of UTM are operated with Hydraulic system and floor model, applicable for Load capacity up to 50000 Kgf, capable of performing test of Tensile, elongation, Pulling strength, Compression, and many more with different attachments.



UTM - H50T

These models of UTM are operated with Hydraulic system and floor model, applicable for Load capacity up to 50000 Kgf, capable of performing test of Tensile, elongation, Pulling strength, Compression, This machines are specially designed for testing Ropes, Wires, Column Pipes and many more with different attachments.



CUTTING DIE PUNCH & PRESS

Dumbbell-shapedtestspecimensarestandardizedinvarious industries, including plastics, to ensure uniformity in tensile testing.

Saumya's Dumbbell Cutting Die and Pressure specialized tools for the preparing standardized test specimens for tensile and strength testing. The cutting die is a precision-shaped cutting tool that creates dumbbell shaped test samples from plastic sheets or films. Precise cutting dies helps create samples with consistent dimensions, which is essential for accurate and repeatable test results.



CONTOUR CUTTER

Saumya's ContourCutter is a specialized instrument for precisely cutting samples from larger Thickness materials to prepare them for testing, analysis and quality control. It is designed to accurately and efficiently cut specific shapes using different templets, ensuring uniformity in size and shape for reliable and consistent testing/analysis.



SPECIMEN MILLING MACHINE

Precisionisessentialingettinghighqualitytestingdata.CNC milling ensures that test specimens have precise dimensions.

For larger thickness samples it is difficult to prepare specimen with exact dimension for testing. Saumya's Specimen Milling Machine relies on automated, error resistant system that can ensure reliable results. It is specialized for machining samples with precise dimensions and adequate surface finish ideal for Various testing specimen. It can perform accurate milling on Plastic materials up to 100 mm in thickness.

Machine is preprogrammed with different shapes of specimens as per various National and International standards and further you can feed your drawing via G-Code to program for any shape you want.

MELT FLOW INDEXER



MFI - AE

This model is Basic model and used to measure MFI value of Polymers as per Method A, this is having manual process to cut the sample on at specific interval of time on buzzer indication with knife. Then we have to weight thesample and can calculate MFI value Manually.



MFI - ACX

This model is Semi-Automatic model and used to measure MFI value of Polymers as per Method A, this is having Motorized process to cut the sample on at specific interval of time as per set value of Time. Then we have to weight the sample and can calculate MFI value Manually.



MFI - AFA

This model is Automatic model and used to measure MFI value of Polymers as per Method A, this is having Motorized process to cut the sample on at specific interval of time as per set value of Time. It also has inbuilt balance to weigh the extruded sample fall on weighing pan and programmed Microcontroller will calculate MFI value with each cut and also calculate Average weight of all cuts and will calculate MFI value. It is having compute software and connected with PC to operate with software and save the reports in PC.



MFI - S2200

This model is Fully Automatic model and used to measure MFI value of Polymers as per Method A, B, C and MVR as per Method B, It can calculate Intrinsic Viscosity (IV) for PET, Calculates Melt Density on entering weight of first cut at specific interval of time, this is having Touch HMI and PLC controlled operation, Motorized process to cut the sample on at specific interval of time as per set value of Time. It also has encoders to measure the travel of Piston. Auto Loading of weights as per set Load can be applied, it is having compute software and connected with PC to operate with software and save the reports in PC.

CARBON BLACK CONTENT TESTER



Saumya's Carbon BlackContentTester helps quantify the amount of carbon black present in a given sample of rubber, polymer, or other materials to provide accurate measurements of carbon black content. Microprocessor based PID control systems ensure the test is conducted at the perfect temperature with a high degree of accuracy.

CARBON BLACK DISPERSION



Auniform distributionof carbonblackisessential forachieving desired properties within plastics.

Saumya's Carbon Black Dispersion tester helps to quantify the dispersion quality and agglomeration of carbon black particles within the sample in accordance with the method for the assessment of the degree of pigment and carbon black dispersion in polyolefin pipes, fittings and compounds. A microscope is required for this examination.

DENSITY PRESS (HYDRAULIC COMPRESSION PRESS FOR DENSITY TEST)



HYPER - DEN

This press id designed to prepare samples for Density and other test by compressing granules or powder form raw material to prepare sheet by heating and then cooling to mold the material to flat sample of desired thickness.



V NOTCHING MACHINE

AV-notchingmachine for pipes is usedto create V-shaped notches in pipe specimens, often for tests like the hydrostatic pressure test. Use the V-notching machine to make V-shaped notches in the pipe specimens. The notches are strategically placed to simulate stress concentrations and potential failure points.



OIL BATH FOR REVERSION TEST

Oil bath is likelyusedtoassessthereversionofPVC pipesatelevated temperatures. Immersing the PVC pipe in an oil bath to simulate high-temperature conditions and observe if any reversion occurs.



MUFFLE FURNACE

AMuffleFurnace is used toheat polymer samples to high temperatures in a controlled environment to determine the ash content remaining after combustion. Ash content analysis is a crucial test in polymer research and quality control, as it provides insights into the inorganic residue left behind when a polymer sample is burned.

Information acquired from ash content analysis is valuable for assessing the purity of polymers, and understanding their composition to ensure that the polymer products meet desired purity and quality standards.



Analog



Computerised

VSP / HDT TESTER

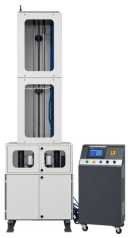
TheVSP (VicatSofteningPoint) andHDT (Heat Deflection Temperature) tests are both standard tests used to evaluate the thermal properties of polymers.

Vicat Softening Point (VSP) Test: The VSP test measures the temperature at which a needle-shaped penetrator sinks into a polymer specimen under a specified load. It is an indicator of the softening behavior of the polymer. The VSP test is useful in assessing the heat resistance and processing characteristics of polymers.

Heat Deflection Temperature (HDT) Test:
The HDT test determines the temperature at which a standard test bar loaded with a specified force deflects a predetermined distance under heat. It is an indicator of a polymer's ability to withstand load at elevated temperatures. The HDT test is crucial for evaluating a polymer's dimensional stability and load-bearing capacity at elevated temperatures.



Manual



Automatic

IMPACT TESTER FOR PIPES

Saumya's PipeImpactTester isan indispensable tool for pipe manufacturers, offering a means to assess the impact resistance of pipes to meet the demands of various applications and ensure compliance to existing industry standards.

It is designed to evaluate the ability of pipes to withstand impact forces, ensuring their durability for real-world applications.



MALFUNCTION TESTER

AMalfunctionTesterisusedformalfunctionof CPVC pipes. The pipes are subjected to a set pressure at high temperatures.

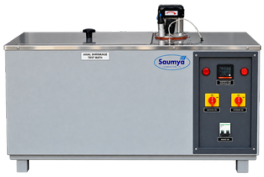
Saumya's Malfunction tester is an elegantly designed, easy to use and durable piece of equipment for systemized testing of pipe malfunctions under pre-set conditions. Our highly efficient tubular heating system closely monitors and controls temperature while our state of the art pressure management system maintains steady pressure allowing you to confidently and quickly test for standard compliance and quality.

Customizable to specified requirements, Saumya provides the perfect solution for a wide variety of applications and testing scenarios across multiple industries.



VISCOMETER BATH FOR K VALUE TEST

Aviscosity bath,atemperature-controlled bath used tomaintainaspecific temperature for the sample being tested for viscosity. Viscosity of materials can be highly dependent on temperature, so controlling the temperature during testing is essential for accurate measurements.



AXIAL SHRINKAGE TESTER

The axial shrinkage test typically refersto a testdesigned to measure the change in length or dimension along the axis of samples, after a specific process or under certain conditions. This test is to check shrink % in SWR pipes for Type B manufacturers.



DICHLOROMETHANE TESTER

ADichloromethane Testeror DCMTis usedto assessthe resistance of materials, coatings or products to methylene chloride (Dichloromethane). Dichloromethane is commonly used to evaluate the durability and chemical resistance of plastics and other polymer substances.

Our DCMT helps determine how well a material can withstand exposure to Dichloromethane without undergoing degradation while at the same time allowing users to stay optimally protected when handling the chemical test media which can be hazardous to health. A layer of water acts as a vapor barrier above the test medium and the exhaust system guarantee that the user is protected from exposure. Designed in compliance with industry standards and is also available in different sizes based on user requirement.



CHAMFER CUTTER

A chamfer refers to a beveledge or cut made at an angle on the end of a pipe. Chamfering is commonly performed on various pipe materials, including plastic and composite pipes. The specific angle and depth of the chamfer depend on the requirements of the application.



HYDRO TEST AT ELEVATED TEMPERATURE

An elevatedtemperature test for lateralpipes involves subjecting the pipes to higher-than-normal temperatures to assess their performance and stability under such conditions. This type of test is crucial for evaluating the material properties and structural integrity of lateral pipes when exposed to elevated temperatures.

The specific procedures may vary depending on the industry or standards, but the test generally involves heating the pipes to predetermined temperatures and assessing factors such as dimensional stability, mechanical strength, and resistance to deformation. This helps ensure that the lateral pipes can withstand the challenges of elevated temperatures without compromising their functionality or structural integrity.



PULL OUT TESTER FOR INLINE EMITTERS

Apullouttester forinline emitter is a deviceusedtomeasurethepullout forcerequired to detach an inline emitter from a drip irrigation system. This test helps assess the reliability and strength of the connection between the emitter and the tubing, ensuring the system's durability under various conditions.



PULL OUT TESTER FOR ONLINE EMITTERS

Pullout testerforonlineemittersisdesignedtomeasurethepulloutforcerequired to detach an online emitter from a drip irrigation system.



GAUGES FOR LATERAL PIPES

Lateral pipe ID gauges for"Go/No-Go" purposesare specialized tools used to verify the internal diameter (ID) of pipes. The "Go" gauge should fit easily into the pipe, confirming that the internal diameter is within the acceptable range. The "No-Go" gauge, on the other hand, should not fit, indicating that the internal diameter exceeds the specified limits.



EMITTER FLOW RATE MEASUREMENT APPARATUS

Emitter flow rate measurement involvesdetermining therateat whichwater or another fluidisdischarged from an emitter, such as a drip irrigation emitter. This measurement is crucial for efficient irrigation systems. Flow meters or calibrated containers are commonly used to measure the volume of fluid discharged over a specific time, allowing calculation of the flow rate. Accurate emitter flow rates help optimize water distribution and ensure proper irrigation for plants while conserving resources.



LEAK TIGHTNESS TEST UNDER INTERNAL HYDROSTATIC PRESSURE SUBJECT TO BENDING

Testing the leak tightness ofPE(Polyethylene)pipes and compression fittings under bendingconditions, set up a bending apparatus that allows controlled bending of the pipe and fitting, simulating conditions. While the sample is under bending stress, apply internal hydrostatic pressure to the system. Measure and record the applied bending stress, internal pressure, any pressure drops during the holding period, and any observed leakage.



SQUEEZE OF TESTER FOR PIPE

The squeeze-offtestforMedium-Density Polyethylene(MDPE) pipes assesses their resistance to deformation and closure under mechanical pressure. This tool typically consists of two opposing jaws that can be tightened around the pipe.



ROTATIONAL MICROTOME

Amicrotome isa deviceused forprecision sectioning of thin slices from a specimen, typically for microscopic examination. The microtome blade will cut thin slices of the CBD sample.



CYCLIC HYDRO STATIC PRESSURE TESTER FOR PIPE

Cyclichydrostaticpressuretests for thermoplasticand FRP (Fiber-ReinforcedPlastic)pipestypically involve subjecting the pipes to varying pressure levels in a repeated manner. This assesses their durability and resistance to fatigue over time. Standardized testing procedures, such as ASTM or ISO standards, provide specific test parameters, including pressure levels, cycles, and duration. These tests help ensure the long-term reliability and performance of the pipes in their intended applications.



CRUSH RESISTANCE FOR PLB DUCT

Ina crush resistance testfor PLB (PermanentlyLubricated Duct) ducts, the objective is to evaluate the ability of the duct to withstand external pressure or crushing forces. This helps determine the duct's structural integrity and its capacity to endure the pressures it might encounter during installation, underground use, or other relevant conditions. The results of the crush resistance test are essential for ensuring the reliability of PLB ducts in practical applications.



RING STIFFNESS TESTER

TheStiffness Testerisdesigned tomeasure the stiffness, bending resistance, and flexibility of materials. It helps assess how well materials retain their shape and resist deformation when subjected to bending or flexing forces.

Saumya's Stiffness Tester enables manufacturers to assess the resistance of plastic pipes and tubing to external loads and deformation. It measures the ability of a pipe to maintain its circular shape and structural integrity when subjected to various levels of external pressure or stress. It is designed to provide precise measurements of deflection or deformation, allowing for accurate assessment of ring stiffness.

Saumya's Stiffness Testers help manufacturers and quality control laboratories assess the structural and flexural performance of plastic pipes and tubing. By conducting ring stiffness tests, they can ensure that these products meet the necessary standards for safety and durability for various applications.

Available in wide range of capacities (please enquire for detailed specifications).



ANGULAR DEFLECTION BENCH FOR DWC AND PVC PIPES

An angular deflection bench forpipes is a piece of equipment used to measure the angular deflection or flexibility of pipes Joints. This type of bench is commonly used in the testing and inspection of pipes, especially in applications where the flexibility & Joints of the pipe under certain conditions is critical. The angular deflection bench helps ensure that pipes can accommodate movements and deformations without compromising their structural integrity.



BENDING TEST FOR DWC PIPE

Bending testfor DWC Pipes assess the flexibilityand strength. The pipe is usually bent to a specified angle without breaking. This helps ensure the pipe can handle stress without compromising its structural integrity.



VACUUM TEST EQUIPMENT FOR PIPE

Avacuum testforpipes is amethodused to assess the integrityand tightness of a pipe system by subjecting it to negative pressure, creating a vacuum. This testing is commonly employed in various industries including plumbing, construction, manufacturing to identify leaks or weaknesses in the piping system.



TOP LOAD TESTER

Atopload tester is adevice used tomeasure the compressive strength or load-bearing capacity of containers, typically plastic bottles, jars and other packaging materials. This test helps assess the ability of a sample to withstand vertical compressive forces applied from the top. The top load test is essential for ensuring the structural integrity of packaging, especially in industries such as beverage, pharmaceuticals, and cosmetics.



HEIGHT GAUGE

Aheightgaugefor PET(Polyethylene Terephthalate) bottles is a measuring instrument designed to determine the height of PET bottles accurately. This type of gauge is commonly used in industries such as beverage packaging, where consistency in bottle dimensions is critical for production efficiency and product quality.



HOT WIRE BOTTLE TEST

TheHotWire Bottle Test(HWBT)is a methodused to assess the resistance of plastic materials, particularly PET (Polyethylene Terephthalate) bottles, to distortion under elevated temperatures. This test is essential in the packaging industry to ensure that plastic bottles maintain their shape and integrity when exposed to high temperatures, such as those encountered during hot filling processes.



TORQUE TESTER

Atorque test for bottlecapsassesses the tightness and effectiveness of the closure on bottles. Measure the torque required to initiate movement or removal of the cap. This measurement indicates the sealing integrity and the ease with which consumers can open the bottle.



BURSTING STRENGTH TESTER

Saumya's BurstStrength Testersassist manufacturersin maintaining high product quality by ensuring that packaging materials can withstand the internal pressures they may encounter during storage and distribution.

Saumya's Bursting Strength Tester is provided with digital display with clamping system used to get the fast and accurate test results, by use of a single instrument.
Designed in accordance to prevailing standards, our instrument helps ensure industry compliance in a reliable, replicable and easy to use way making Saumya a prime choice for Burst Strength Testing instruments.



VIBRATION TESTER

Avibration tableforpackaging isa specialized device designed to simulate the effects of transportation or handling on packaged products. This type of equipment is commonly used in the packaging industry to test the resilience and durability of packaging materials and designs under various vibration conditions. The goal is to ensure that packaged goods can withstand the vibrational stresses encountered during shipping and distribution.

COEFFICIENT OF FRICTION TESTER



COF-B

Theprimary purposeof acoefficientof friction testeris toassess the frictional characteristics between two surfaces. This is vital for determining the friction between Films and Film to metal and their suitability for various applications.

Saumya's Coefficient of Friction tester is specially designed to assess the slip resistance of packaging materials to prevent products from shifting during transportation. It quantifies the force required to initiate and maintain relative motion between the surfaces. A sample material is placed in contact with a standard surface, and a controlled force is applied to calculate the coefficient of friction.

DART IMPACT TESTER



DART - SP



DART - F - A

Dart Impact Testing isastandardized test method used to assess the impact resistance or toughness of plastic films and sheets. It evaluates the ability of a material to withstand sudden impact loads, such as those that may occur during transportation, handling, or usage.

Saumya's Dart Impact Tester is designed to determine the impact resistance of plastic films and sheets. It assesses how well a material can withstand impact forces without tearing or puncturing. Designed with ease of use in mind, our Dart Impact Tester features robust construction that can withstand repeat tests and provide reliable results for a long time without any need for maintenance.

GSM WEIGHING BALANCE



The GSM (Grams perSquareMeter) testmeasuresthe weight or mass of a material per unit area. In the context of textiles or fabrics, this test provides information about the density and thickness of the material. The higher the GSM value, the denser and heavier the material.

ROUND CUTTER FOR GSM



Round cutter isforvariouspurposessuchas fabriccutting, paper cutting and other materials. It is in the form of rotary cutters, which are handheld tools with a circular blade for precision cutting.

HEAT SEAL TESTER



Saumya's Heat SealTester is professionally designed to evaluate the heat sealing performance of packaging materials, films, pouches, and other heat-sealable products under adjustable sealing speed, pressure and temperature conditions. The tester assesses the quality and effectiveness of these seals by measuring parameters such as seal strength and seal integrity to determine the ideal heat sealing parameters for given material.

Saumya's Heat Seal Tester features precise temperature control along with pneumatic clamping for fast and accurate heat sealing. Embedded force sensors measure the force applied during sealing providing a value of seal strength.

LEAKAGE TESTER



Saumya'sLeakageTesteris avaluable tool for industries where product integrity and safety are paramount. It ensures that products meet the highest quality standards and helps manufacturers maintain customer trust and brand reputation.

LABORATORY MICROMETER



Saumya's Lab Micrometerisdesignedto be quick and highly precise measuring and recording film thickness ranging from 1 to 350 microns. It works with a hi-tech sensor system measuring thickness at an interval of 3 seconds for quick consecutive measurements to determine consistency in the product. Up-to 20 readings can be stored and printed on command and the interval of measurement is adjustable to fit users testing requirement.

A graph of measured thicknesses is provided to understand the deviations in product thickness quickly and intuitively.

Saumya is a pioneer in microcontroller-based micrometer measurement systems in India. Calibration sheets are provided with equipment to ensure accuracy in testing.

OPACITY AND TRANSPARENCY TESTER



OpacityTesters are usedto determineopticalcharacteristicsofplastics films, paper, laminates, printed packaging and other materials.

Saumya's Opacity and Transparency Testers are state-of-the-art machines designed to provide highly precise measurements of material opacity and transparency. High resolution HMIs and thermal printing capabilities allow real-time testing and data recording right at the source of production.

Our Opacity and Transparency Tester is a versatile tool that can be used with a wide range of plastic and polymer materials, making it an ideal machine for various applications. It features an intuitive interface, allowing operators to obtain accurate results quickly.

OPTICAL DENSITOMETER



AnOpticalDensitometerisascientificinstrumentused to measure the optical density of a material or a medium. Optical Density is a logarithmic measure of how much light is absorbed or transmitted by a substance.

Saumya's Optical densitometers are used to measure the absorbance of a sample at a specific wavelength of light allowing users to assess the absorption characteristics of their samples accurately.

DIGITAL THICKNESS GAUGE



Saumya's Dead WeightType Thickness Gaugeis a precision instrument used to measure the thickness of materials with high accuracy. It operates based on the principle of applying a known force to a probe or anvil and measuring the deformation or deflection of the material being tested.

VACUUM OVEN



Vacuum Ovensare versatile and essential equipment used in the plastics industry for various processes, including degassing, drying, curing, and heat treatment of plastic materials and components

Vacuum Ovens are used for drying and curing plastic materials and components, eliminating moisture or solvents from the material. hey are essential for removing trapped air bubbles or volatile components from plastic resins or composites. These ovens are also used for sample preparation in materials testing and research.

TEAR STRENGTH TESTER (ELMENDORF TYPE)



Atear strength tester,alsoknown asatear resistance testerorteartester,isaspecialized laboratory instrument used to measure the resistance of materials to tearing forces.

This measurement provides insights into the material's resistance to tearing and its ability to withstand external forces.

Saumya's Tear Strength Tester consists of a sector pendulum pivoted on anti-friction ball bearings on a vertical bracket fixed on a rigid metallic base. Designed to help determine the tearing strength of fabrics, plastic films or similar packaging materials. It helps measure the force required to propagate an existing slit a fixed distance to the edge of the test sample.

SCUFF RESISTANCE TESTER



The scuff resistance test in packaging industries evaluates a material's ability to withstand rubbing or abrasion during handling, transportation and storage. The test typically involves subjecting the packaging material to controlled rubbing using an apparatus or standardized equipment. The extent of scuffing or damage is then assessed visually or through specified measurement methods.

This test is crucial for assessing the durability of packaging materials, ensuring they maintain their visual appeal and integrity throughout the distribution chain. Standardized procedures, often following ASTM or ISO guidelines, help maintain consistency in conducting scuff resistance tests across the packaging industry.



BOND/PEEL TESTER

Peeland BondTesters areessential instruments for assessing the adhesion and bond strength of various materials and adhesive products. They are used measure the force required to separate two bonded surfaces, providing valuable information about the quality of the bond.

Saumya's Peel and Bond Tester is a versatile and reliable tool for industries where the quality of adhesive bonds is critical. It is used to measure the adhesive strength or peel resistance of adhesive bonds, laminated materials, and coatings. The machine applies a controlled force to peel apart or separate the bonded materials.

It enables manufacturers to assess and enhance the bond strength of their products, ensuring they meet customer expectations and perform reliably in various applications.



BALLOON BURST TESTER

Balloon Burst Testis a specialized test used todetermine the burst strength of plastic and polymer films and packaging materials. It helps ensure that these materials can withstand the pressures they may encounter during storage, transportation and everyday use.

Some applications, like medical devices or hazardous materials packaging, require strict compliance with burst strength standards to ensure safety.

Saumya's provides highly precise measurements of burst strength, ensuring that your materials meet the necessary standards and specifications. It ensures strength and reliability of materials in various applications empowering you to maintain product integrity, meet safety and regulatory standards, and optimize material selection for your specific needs.



COMPRESSION TESTER FOR CORRUGATE BOX & PLASTIC CRATES

ACompression Machineis used totestthe strength and resistanceofcorrugatedboxes & Plastic Crates. The machine applies pressure to the Samples from different angles, simulating the stacking and transportation conditions. This helps determine the maximum load a sample can endure before deforming or collapsing. The results ensure that the sample meet quality and safety standards for packaging.



BLOCK AGING OVEN

Blockaging ovens are usedtoaccelerate the aging process of polymer blocks. These ovens create controlled conditions of heat and sometimes humidity to simulate the effects of time on the polymer. This helps assess the long-term stability and performance of the polymer material in a shorter timeframe. The process aids in predicting how the polymer will behave over an extended period.



FATIGUE COMPRESSIBILITY TESTER

Ina cyclic compressibility test for rubber and polymers, the material undergoes repeated cycles of compression and decompression. This test assesses how well the material maintains its compressive properties over multiple cycles, mimicking real-world conditions where the material may experience repetitive stress. It helps evaluate the durability and resilience of the rubber or polymer under dynamic compression.



COMPRESSION SET FOR RUBBER

Compressionset isatestperformedon rubber materialstoevaluate their ability to recover after being subjected to compressive deformation. This test is essential for assessing the long-term resilience and performance of rubber in various applications, especially those where compression properties are critical.



NCTL MACHINE

NCTL Machineisfor evaluation of Stress Crack Resistance of Polyolefin Geomembranes. notched specimen of the geomembrane to a constant tensile load while exposing it to an environment containing a surface-active agent. The purpose is to assess the material's resistance to stress cracking under specific conditions.



TWO ROLL MILL

Two Roll mills are used in the rubber and plastic processing industries to mix, compound, and redefine raw materials into a uniform and homogeneous mass. This equipment is commonly used for research and development and quality control.

Saumya's Two Roll Mill is designed to blend and mix rubber or plastic materials by passing them between two counter-rotating rolls with the aim of testing performance of pigments, compounds and solvent dyes. This process facilitates the dispersion of fillers, pigments, additives, and other ingredients while achieving uniformity in the final product. It features an easy-to-use digital display system with adjustable roller distances for desired precision and control.

Our two roll mills are manufactured in various different sizes and configurations including ones with water-cooled rollers and smart control systems and custom user defined parameters. Also, we have Fully auto model with Touch Display, PLC controlled with SCADA software.



LABORATORY MIXER

To create ahotmixture forPVCin alaboratory setting, you typically need a high-quality mixer or internal mixer designed for polymer processing. Follow your specific PVC formulation guidelines and processing parameters for temperature, mixing time, and other variables to achieve the desired results in your experiments.



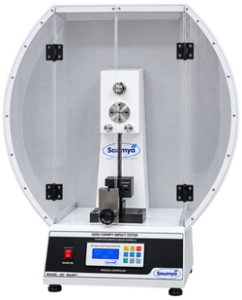
HYDRAULIC COMPRESSION PRESS

AHydraulicCompressionPress (also calledcompressionmoldingmachine), is a specialized equipment used to shape plastic materials through the application of heat and pressure.

Saumya's specially configured Hydraulic Compression Press is equipped with heating/cooling platens and a programmable digital controller that controls heating, cooling and pressure to allow compression molding of test plaque, bar specimens, polyethylene other thermoplastic resins and rubber.

Available with different sizes, pressures and customized with PLC controlled and SCADA software for different application of compression and Leak test.

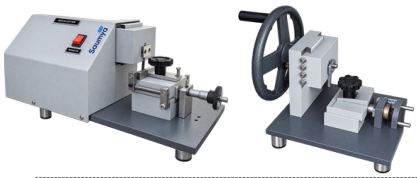
Compression force: 10 Tons to 300 Tons
Double Platen and triple platen Press.



IZOD/ CHARPY IMPACT TESTER

TheIZOD and CHARPYmethods aretwo common techniques for measuring impact strength. These tests are designed to provide insights into samples ability to absorb and withstand impact forces providing a quantitative measure of impact resistance.

Designed in line with international standards, our Digital Izod/Charpy Impact Tester is a specialized laboratory instrument that helps determine the impact energy, impact strength and notched impact strength of standardized test samples to help you make sure your materials meet specified impact resistance, industry safety and performance standards.



NOTCH CUTTER

Saumya'sNotchCutters aredesigned for making fine and precise notch as per standard to preparing specimens with notch impact tests. Our machines are designed to be user-friendly, allowing operators to create notches quickly and accurately.



ENVIRONMENTAL STRESS CRACK RESISTANCE TESTER

TheESCRisdesigned todetermineaplasticmaterial'sresistancetocrackingwhenexposedtospecific environmental stressors, such as chemicals, solvents, or other aggressive agents.

Saumya's ESCR ensures that plastic materials selected for specific applications can maintain their integrity and performance in challenging environments. It determine a samplethermoplastic's susceptibility to stress cracking when exposed to different test media such as soaps, wetting agents, oils and detergents, at user-selected temperatures.



PARTICLE SIZE ANALYSER

Saumya's ParticleSize Analyzer is designedto perform sieve seperation which involves separating particles into different size fractions using a set of stacked sieves with varying mesh sizes. The shaker provides mechanical agitation to ensure efficient particle separation. Our Shaker features adjustable settings for vibration intensity, duration, and amplitude to accommodate different materials and testing requirements.



TENSILE PERFORMANCE TEST FOR MICRO DUCT AND OFC CABLES

The Tensile performance test formicro ducts and OpticalFiber Cables(OFC) assesses their strength and ability to withstand pulling forces. Measure and record the force applied, elongation and other relevant parameters during the test. This data is crucial for evaluating the tensile strength and performance of the micro duct or OFC cable.



TORSION TEST FOR MICRO DUCT AND OFC CABLES

The torsion test for micro ducts evaluates their resistance to twisting or torsional forces. One end of the micro duct sample fixed with clamp while another end rotates freely. Measure and record the degree of rotation applied to the micro duct sample before it reaches a specified limit or failure point. After the test, visually inspect the micro duct sample for any signs of damage, such as cracks, breaks, or deformations resulting from torsional stress.



ABRASION TEST FOR MICRO DUCT AND OFC CABLES

Abrasion testing for micro ducts and Optical Fiber Cables (OFC) involves assessing their resistance to wear and damage caused by friction or rubbing. after each cycle for any visible signs of abrasion, wear and damage. This may include changes in appearance, loss of protective layers, or exposed fibers.

Conducting abrasion tests helps manufacturers and users understand the durability of micro ducts and OFC cables in real-world conditions, ensuring reliable performance over time. Adherence to relevant industry standards, such as those provided by organizations like ISO or IEC, is essential for standardized testing procedures.



FLEXIBILITY TEST FOR MICRO DUCT AND OFC CABLES

The flexibility test for micro ducts and Optical Fiber Cables (OFC) assesses their ability to bend and flex without damage. After the Number of cycles, visually inspect the samples for any signs of damage, such as cracks, breaks and deformations.



BEND TEST FOR MICRO DUCT AND OFC CABLES

The bend test for micro ducts and Optical Fiber Cables (OFC) assesses their flexibility and ability to withstand bending stresses without damage. Repeat the bending process for a specified number of cycles to simulate the bending stresses. After the test, visually inspect the samples for any signs of damage, such as cracks, breaks and deformations.



CRUSH TESTER FOR MICRO DUCT AND OFC CABLES

A crush tester for micro ducts and Optical Fiber Cables (OFC) evaluates the ability of these components to withstand compressive forces without damage. It measures and record the force applied to the sample during the test. This helps determine the maximum compressive load the micro duct or OFC cable can withstand.



AIR CIRCULATING HOT AIR OVEN

Saumya Tech's Hot Air Circulating Oven is a specialized industrial oven designed to provide uniform and controlled heating, high degree of accuracy and control.

Built with long term use in mind, our sturdy design are highly durable and easy to use. Quality insulation ensures safety of use while stopping heat loss. The circulation of air ensures even heat distribution preventing temperature variations to maintain a stable uniform temperature through the heated area. High quality digital controllers ensure precise temperature control and high accuracy for consistent and reliable outcomes.

Specially designed for testing thermoplastic pipes and fittings. Hot Air Ovens are available in various sizes customizable to the user's requirements.



HIGH VOLTAGE TESTER

A HighVoltage (H.V.)testerfor conduits is a device used to assess the electrical insulation properties and integrity of conduits for electrical applications. This type of tester is crucial for ensuring that conduits can effectively isolate electrical currents and prevent leakage or breakdown.



COMPRESSION TESTER FOR PVC CONDUIT

Acompressiontest for PVC (Polyvinyl Chloride) conduitis performed toevaluate the material's ability to withstand compressive forces without deformation or failure. This type of test is important in determining the structural integrity and load-bearing capacity of PVC conduits, commonly used for electrical wiring and cable protection in construction.



IMPACT TESTER FOR PVC CONDUIT

Animpact tester forconduitisadevice usedtoassesstheimpact resistance and durability of conduit materials, particularly those used in construction, electrical installations and other applications where the conduit may be subject to mechanical stresses.



BENDING TESTER FOR PVC CONDUIT

Thebending tester forPVC (PolyvinylChloride) conduitisconducted to assess the flexibility and structural integrity of the conduit. This test is relevant in applications where the conduit may need to bend during installation or due to changes in the environment.



COLLAPSE TEST APPARATUS

Acollapsetestfor conduit is typically conducted toassess the structural integrity and load-bearing capacity of the conduit under external pressure. This type of test is crucial to ensure that the conduit can withstand the forces it may experience during installation, backfilling, or other conditions where external pressure is applied.



GAUGES FOR PVC CONDUIT PIPE

Gauges for conduitrefer to measuring tools or devicesused to check and verify various dimensions, characteristics, or features of conduits. The specific type of gauge used can depend on the requirements of the conduit and the standards in place. Here are a few types of gauges commonly associated with conduits.

specific gauges used can vary based on the type of conduit (metallic or non-metallic), the intended application, and the relevant industry standards. Manufacturers and quality control processes typically keep these gauges to ensure that conduits meet specifications and standards for performance and safety.



BALL POINT PRESSURE TEST

Ballpressureistoensurethemechanicalstrengthandheat resistance of a PVC Conduit.



FLAMMABILITY TESTER

Flammability tests for polymers assess their propensity to catch fire and the extent to which they support combustion. Common methods include theVertical Flame Test (UL 94), limiting oxygen index (LOI), and oxygen bomb calorimetry. These tests evaluate factors like ignition resistance, flame spread, and heat release. Standards organizations such as ASTM and ISO provide guidelines for conducting these tests, ensuring consistency and safety in the assessment of polymer flammability.



HUMIDITY CHAMBER

Humiditychambers are designed toreplicate different humidity and temperature environments to check performance of materials and components under various environmental conditions. Many industry standard tests require testing of samples that have been conditioned to a designated relative humidity and temperature prior to testing.

Saumya's Humidity Chambers also allow for graphic display and printouts of data via PC.

Humidity chambers are available in various standard sizes and are also made to custom sizes or as per client requirement. (for further information please enquire)



FREEZER

Saumya's CoolingChamber is specially used to condition the specimen for different test up to - 80° °c as specified

in different national & international standards. Material property like physical, mechanical properties of plastics & electrical insulating materials are affected by temperature & humidity. Plastic materials tested above room temperature will yield respectively higher impact strength & modulus. In order to make reliable comparison of different materials & test result obtained by different laboratories, it is most important to condition the sample at given standards.



DIGITAL DENSITY MICROBALANCE WITH KIT

Density measurement using buoyancy is a precise analytical method to measure the density of solid materials with exceptional accuracy, useful for substances with very small sample sizes and high precision requirements.



TRAVELLING MICROSCOPE

A traveling microscope is a precision optical instrument used for measuring small distances with high accuracy. It typically consists of a microscope mounted on a carriage that can be moved horizontally and vertically. Commonly used in determining the Width, thickness of a sample and other small dimensional measurement.



ULTRASONIC THICKNESS GAUGE

An ultrasonic thickness gauge is a non-destructive testing device used to measure the thickness of materials from one side. It employs ultrasonic waves to determine the thickness of a material by measuring the time taken for the ultrasonic wave to travel through the material and reflect back.



BULK DENSITY TESTER

Saumya's Bulk Density Testingequipment isdesigned to provide accurate and repeatable measurements of material bulk density. It can handle a wide range of materials, from fine powders to granular materials, allowing for versatility in testing applications.



MELTING POINT APPARATUS

Ameltingpoint apparatusfor polymers is a specializedinstrument designed to determine the temperature at which a polymer transitions from a solid to a liquid state. This is a crucial parameter for understanding the thermal behavior of polymers, as it helps assess their stability and processing characteristics.



MOISTURE ANALYZER

Saumya'sSMA-120plastic moistureanalyzer is a device that is perfect for moisture content determination of plastic pellets, resins, and other polymers such as polyamides. The intuitive operation and robust design enable fast and chemical-free moisture analysis to be performed directly on the production floor.



COLOR MATCHING CABINET

Saumya's ColorMatching Cabinet provides astandardized environment for evaluation and visual assessment of color. It is highly recommended for laboratories to verify quality and color consistency of Flexible packaging, paint, plating textile, paper in different light source.



HARDNESS TESTER SHORE A & D

ShoreAand Shore D aretwo commonscales usedto measurethe hardness of rubber and other elastomeric materials. The Shore A and Shore D hardness testers, also known as durometers, are instruments specifically designed for these respective scales.



IRHD TESTER

TheIRHD (International Rubber Hardness Degrees) test is a method used to measure the hardness of rubber materials. It provides a standardized and quantifiable measure of the resistance of rubber to indentation. The IRHD test is commonly used in the rubber industry to ensure the quality and consistency of rubber products.



WRAP REEL

Awrapreelinwovensackindustries is a machine used for measuring the length of a continuous yarn or thread to measure Denier.



GARDNER IMPACT TESTER

The GardnerImpactTester is used to testthe impact resistance of many types of organic coatings on surfaces, and is also used to establish quality standards for resistance to impact surface damage and penetration of the substrate construction material, such as plastics, resins, composites, fiber glass, sheet metals, etc.



THERMO-CYCLIC TESTING EQUIPMENT

Saumya's Thermo-Cyclic Testing Equipment is designed to simulate and evaluate the effects of temperature cycling on the strength of connection for pipe systems with rigid or flexible thermoplastic tubes. It helps assess the reliability and robustness of materials, components, and products exposed to temperature cycling. Precise control over temperature levels, rates of change, and cycle duration identify temperature-induced problems and high quality internal sensors collect data on temperature changes, allowing for monitoring and analysis.



DROP IMPACT TESTER FOR SHEETS

A drop impacttester for sheets isadevice designed toassess the impact resistance and durability of thin sheets or materials. This type of test is commonly used to evaluate the ability of materials to withstand impact forces, which is important in various industries such as packaging, automotive, electronics, and construction.



LEAK AND COMPRESSION TESTER FOR SPIRAL WOUND GASKETS

Spiral wound gasketpressed between two Platens. appliedcompressive forcesby hydraulic systemaccording to specified torque values. Apply Methane gas to one side of the gasket with specific pressure & monitor the gasket for any signs of leakage. leak detection observed on HMI & windows software.

International Foot Print

Angola	China	Hungary	Lithuania	Oman	South Africa	USA
Algeria	Colombia	Indonesia	Madagascar	Pakistan	Sri Lanka	Vietnam
Argentina	Congo	Iran	Malawi	Peru	Sudan	Yemen
Australia	Egypt	Israel	Malaysia	Philippines	Syria	Zambia
Bahrain	EL Salvador	Jamaica	Mauritius	Qatar	Tanzania	
Bangladesh	Ethiopia	Jordan	Mexico	Russia	Thailand	
Bolivia	France	Kenya	Morocco	Rwanda	Turkey	
Botswana	Fiji	Kuwait	Mozambique	Saudi Arabia	UAE	
Burundi	Guatemala	Libya	Nepal	Singapore	Uganda	
Canada	Ghana	Lebanon	Nigeria	Senegal	UK	





Saumya TECHNOCRATES PVT. LTD.

Mfg. & Exporter of
Measuring, Testing & Ancillary Machines
SAUMYA TECHNOCRATES PVT. LTD.

Plot No: 177, Road No: 4, Phase – I, G.I.D.C. Kathwada,
Off. S.P. Ring Road, Ahmedabad – 382430 Gujarat – INDIA.

+91-79-29701166 | +91-98251 92769 | +91-92272 42699

exports@saumyainternational.com
info@saumyainternational.com
www.saumyatechnocrates.com

OVERSEAS BRANCH

padmatech consulting inc.

PADMATECH CONSULTING INC.
46, Chad Crescent, Toronto, Ontario M18 2Z6 Canada
Mobile: +1 647 818 4445 I Email: info@padmatech.com
www.padmatech.com