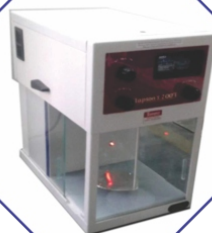
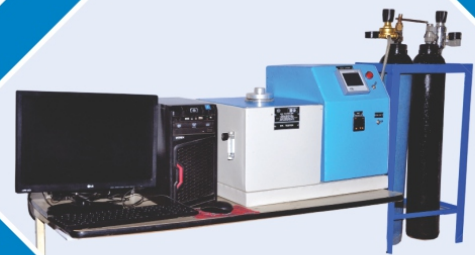




ISO 9001:2015 COMPANY



M. S. TECHNOLOGY



About Us

M. S. Technology is an innovative customer driven manufacturer, supplier and exporter of measuring and testing equipment specially for plastic industries as per IS, ASTM, DIN standards. Since **2002**, we have been producing range of quality products for various plastic industries. Our customers range from a small manufacturer to Multi-nationals, Export Oriented units, **ISO 9000 : 2015** certified company. We are different from other manufacturers because, we take care to study and discuss your specific applications to ensure that, our products will perform to your satisfaction and satisfy your requirements. A reputed organization, we have a Expert Team for Research, Design and Development, Manufacturer, Quality Control and Sales after Service at the Customer End. We are known for manufacturing and supply of Testing Equipment by brand M. S. Tech. In present days, we know time is critical and we strive to meet the deadlines.

Mission

Our Testing Equipments will be the most accurate and economical products available at 24x7 days at global.

Vision

We will come a series of equipments with Digital version in low cast as per customer demand.

Our Team

We have support of competent team of qualified and experienced persons who have sound knowledge in plastic and mechanical field respectively, since 1990. This helps them to carry their work with utmost efficiently to delight the customer requirement, Further, we also regularly organize training sessions for our workforce to keep them abreast about the latest market developments, thus helping them to develop techniques to strike a perfect balance between cost and quality to the customers.

Customization

With the aim to cater to the exact requirements of our industrial clients, we are offering excellent customization facilities according to which we design and manufacture of testing equipments as per IS standards.

Infrastructure

We have a state-of-art of manufacturing infrastructure sprawling over a wide area of 100 m2 & Factory 1000 m2 Efficiently designed and well structured, our manufacturing facility is installed with requisite facilities in order to have smooth and streamline process of production. In order to have specialization in operation, we have segregated our department into various units like production quality, research and development warehouse and packaging. Further, the wide distribution network well supported by all means of transportation has helped us in timely delivery of our range to client's destinations. Our competent and experienced engineers and business associates help us in offering various services as per the client's specific actions and within the stipulated time frame.

Research & Development

Keeping pace with the changing market scenario, we always strive to upgrade and modify our existing range of testing equipment and Industrial Products. We ensure that our range suits all kinds of work hazards and minimizes the risk of any kind of injury. For the same, we have developed a well equipped research and development unit, where our experts are engaged in conducting rigorous experiments on our range. Our R&D experts develop new concepts and designs on the basis of their market study and implement them at their respective sections after approval. Our R&D activities focus on:

- ▶ Quality
- ▶ Features like lightweight and strength
- ▶ Cost effectiveness
- ▶ Production process
- ▶ Raw material used

Profile

We manufacture following equipments :- Testing Equipment like :

- Pi-tape
- Hot Water Bath
- Flow Variation Test Apparatus
- Deep Freezer
- Impact Tester
- Pullout Tester and ASM Weight
- Cold Water Bath
- End Cap
- Thread Ring and Plug gauges
- Hydrostatic Pressure Tester
- Melt Flow Tester
- Hydraulic Press
- Humidity Chamber
- CBC Tester
- Vicat Softening Test
- Oil Bath
- Striker Weight
- Hot Air Oven
- Tensile Machine (UTM)
- ESCR Bath
- Hot Plate
- Opacity Tester
- Muffle Furnace
- Conduit Gauges
- Go- No Go Gauges

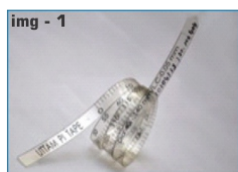
The above testing equipments are used for testing of PVC pipes/HDPE pipes/SWR pipes/Casing pipes/Sprinkler pipes/LLDPE pipes/Sewerage pipes/Conduits pipes/RCC pipes/steel pipes/cylinder pipes.

We also supplies other instruments:

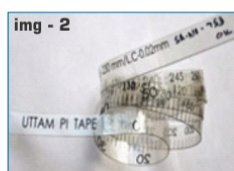
- Microscope
- Micrometer
- Measuring Ruler
- Measuring Tapes
- Dial Gauges
- Magnetic Stirrer
- BOD Incubator
- Autoclave
- Turbidity Meter
- Medico Centrifuge
- Weighing Balance
- Dial Scales
- Angle Protractor
- Waterproof Scale
- HVAC Tester
- Distilled Water Plant
- Laminar Air Flow
- PH Meter
- TDS Meter
- Vacuum Pump
- Vernier Caliper
- Length Meter
- Stainless Steel Rule
- Right Angle
- Insulation Resistance Tester
- Centrifuge
- Fume Wood
- Digital Spectrophotometer
- Digital Color Counter
- Gas and Air Flow Meter

Products

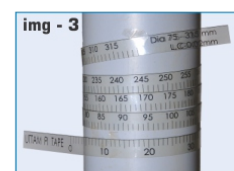
PI - TAPE



Range:
40 mm to 140 mm



Range:
75 mm to 230 mm



Range:
75 mm to 315 mm

Our Plastic/Metal pi-tapes are manufactured and tested accordingly national and international standards. Those pi-tapes have been used for measuring diameter/circumference of pipes and available in the following model.

FALLING DART IMPACT TEST



It is used for testing impact properties of polymers and this is directly related to over all toughness of material and finish product specially PVC Pipes.



SPECIFICATION	MODEL (MST-FDI- 01)
S. S. Dart	250 gm, 500 gms, 1000 gms
Vaccum Pump	760 Hz Vaccum Pump
Power Supply	230V AC, 50Hz
Dimension	22" x 20" x 85"
Net Weights	70 kgs.
Application	To check the impact strength of pipe

Products

HYDROSTATIC PRESSURE TESTER



We develop Hydraulic Machines without air pneumatic system, hence low maintenance. Our machine specialty is very low power consumption. Machines are available for testing hydraulic strength of PVC/HDPE/LLDPE/Sprinkler Pipes/Geo-membrane film.

SPECIFICATION	MODEL (MST-HPT- 01)	MODEL (MST-HPT- 02)	MODEL (MST-HPT- 03)
No. of stations	2	3	5
No. of outlets	6	9	5,10,15
System status	Analog & Digital	Analog & Digital	Analog & Digital
Unit of pressure	Kg/cm ²	Kg/cm ²	Kg/cm ²
Pressure range	Up to 60 Kg/cm ²	Up to 60 Kg/cm ²	Up to 60 Kg/cm ²
Pressure resolution	0.01 Kg/cm ²	0.01 Kg/cm ²	0.01 Kg/cm ²
Time range	999.9 hours	999.9 hours	999.9 hours
Time resolution	0.1 hour/6 min.	0.1 hour/6 min.	0.1 hour/6 min.
Material of construction for hydraulic circuit	Pressure pipe & tube fittings are of copper	Pressure pipe & tube fittings are of copper	Pressure pipe & tube fittings are of copper
Pressure developing system	Through Hydraulic type reciprocating pump	Through Hydraulic type reciprocating pump	Through Hydraulic type reciprocating pump
Pressure control system	Electro mechanical pressure regulating device	Electro mechanical pressure regulating device	Electro mechanical pressure regulating device
No. of pumps	Single for all stations	Single for all stations	Single for all stations
Pressure transducer	'Gefran' made in Italy OR 'Wika' made in Germany	'Gefran' made in Italy OR 'Wika' made in Germany	'Gefran' made in Italy OR 'Wika' made in Germany
Power supply	230V AC, 1 Phase, 50Hz	230V AC, 1 Phase, 50Hz	230V AC, 1 Phase, 50Hz
Application	To check the hydraulic strength of pipes	To check the hydraulic strength of pipes	To check the hydraulic strength of pipes

HOT AIR OVEN



M.S.Tech Air Oven is laboratory purpose used for conditioning test sample of plastics like test ESCR/ Reversion/Shrinkage and Moisture content of Raw material and finished products.

SPECIFICATION	HOT AIR OVEN	
	Model No.	SIZE
Inner side dimension	MST-HAO-01	L18" x W18" x D18"
	MST-HAO-02	L24" x W24" x D24"
	MST-HAO-03	L36" x W36" x D36"
system status	Digital	
Temperature controller	Micro processor based double display PID controller	
Heating	Through high grade electrical heaters	
Air circulation	Through aluminum blower fitted at the top / at the back	
Temperature range	Ambient to 250°C	
Temperature least count	0.1°C	
Accuracy	± 0.5°C	
Timer	Micro processor based double display digital timer (Optional)	
Timer range	999.9 Seconds, Minutes or Hours	
Safety MCB	Available on electrical panel	
Smoke ventilation	Installed on top of both sides	
Insulation	50mm Thick Glasswool	
Material of construction	Inner chamber: Polished S.S. 304 Outer chamber: M.S. dual side powder coated	
Power supply	230V AC, 1 Phase, 50 Hz	
Application	To check the reversion	

OPACITY TESTER



It is used to determine optical propriety of PVC pipes and other plastics. The direct % reading of light passing through specific with a least count.

1. The Opacity Tester is used to determine optical characteristic of plastics including colour, clarity, general appearance & more directly measurable properties.
2. Direct percentage reading of light passing through specimen.
3. Range: 0 To 100 %, Least Count: 0.01 %
4. Precious least count 0.01%
5. Design to ensure maintenance free long life of the apparatus. Dust free specimen chambers.
(Like Pipes Opacity testing, Opacity tester for pipes, R-PVC Opacity tester, C-PVC Opacity tester, U-PVC Opacity tester, MDPE Opacity tester, HDPE Opacity tester, LLDPE Opacity tester, Pipes Fittings Opacity tester, Valves Opacity tester)

Products

MELT FLOW INDEX TESTER

img - 8



M.S.Tech flow apparatus measure the rate of flow of raw material and finished product of different polymers like HDPE, LLDPE, PP, MDPE, etc.

SPECIFICATION	MODEL (MST-MFI-01)	MODEL (MST-MFI-02)
Reference standards	ASTM-1238, ISO-1133, IS-2530	ASTM-1238, ISO-1133, IS-2530
Method	A	A
System status	Digital	Digital
Temperature controller	Micro processor based double display PID controller	Micro processor based double display PID controller of imported make
Temperature range	Ambient to 300°C	Ambient to 300°C
Temperature resolution	0.1°C	0.1°C
Accuracy	± 0.1°C	± 0.1°C
Timer range	0 - 999 second	0 - 999.9 second
Timer	Double display digital timer with buzzer output at set time	Double display digital timer with buzzer output at set time
Resolution	0.1 second	0.1 second
Weight lifting system	Manual	Manual
Sample cutting system	Manual	Pneumatically operated cutter
Accessories	Orifice, Piston, Orifice cleaner, Cylinder cleaner, Extrudate cutter, Forceps, Dead weights of 2.16 & 5.0 Kgf. (Other weights will be available optionally)	Orifice, Piston, Orifice cleaner, Cylinder cleaner, Extrudate cutter, Forceps, Level bolts with pads, Dead weights of 2.16 & 5.0 Kgf (Other weights will be available optionally)
Power supply	230V AC, 1 Phase, 50Hz	230V AC, 1 Phase, 50Hz
Application	To check the melt flow rate of raw material	To check the melt flow rate of raw material

TENSILE TESTING MACHINE

img - 9



Tensile strength tester are widely used to determine tensile, elongation, compression, flexural, peel, shear, adhesive strength for finish products like plastic, pipe, film, sheet, wire and moulded articles. Above machine gives digital output on machine board and also can be connect to computer for graphical result. Standard referred IS: 12786, IS: 14151(P-1), IS:12818, IS: 13592, IS:15351 and ASTM D 638, D 882, D 790, D 695, BS 2782 and equivalent standard.

SPECIFICATION	MODEL (MST-UTM-01)	MODEL (MST-UTM -02)
Reference standards	IS 12786	IS 12818, IS 11928
	IS14151 (Part-1)	IS 13592, IS 14887
		IS 12235 (Part-13), IS 12650
		IS 15351, IS 7903, IS 11652
System status	Digital	Digital & with computer Interface
Machine capacity	500 Kgf/5 KN 250 Kgf/2.5 KN	Available in 500Kgf/5KN, 1000Kgf/10KN, 5000Kgf/50KN, 10000Kgf/100 KN, 20000Kgf/200KN
Machine Dimensions (W X D X H)	900 X 600 X 2000 mm	900 X 600 X 2000 mm
No. of screws	Double Column with Column Clearance (mm) : 450	Double Column with Column Clearance (mm) : 450
Software	---	The windows based software to interface with computer
Data entry	---	Through software
Reports & printouts	---	Graphical-data type reports can be printed through software
Load cell	Single loadcell 'S Type'	Dual loadcell of 'S Type' with different capacity can be connected to single controller
Load cell unit	Kg/cm ²	Kg/cm ² / N / Mpa
Cross head travel	1000mm	1000mm
Load Resolution (N)	1:10,000 (1.0)	1:10,000 (1.0)
Resolution of display	0.2mm	0.01mm
Speed	30,50,100 mm/minute	5 to 500mm/minute
Speed control	Through frequency controlled A.C. Drive or by Pulley arrangement	Through frequency controlled A.C. Drive or by Pulley arrangement
Power supply	415 V +/- 10%, 3 Phase, 50 Hz with Neutral & Earth	415 V +/- 10%, 3 Phase, 50 Hz with Neutral & Earth
Application	LDPE/ HDPE/ Sprinkler Pipes	SWR/ Casing Pipes/ Film and Oven Sacks Film

BURNING TEST HOOD

img - 10



This is used for testing burning characteristics of electric pipe and cable as per IS: 9537 and IS: 513. This hood is designed to burn sample in air with a Bunsen burner with digital time counting facilities for checking burning rate of above said sample.

Burning Test Hood is used for checking burning characterized sticks of electrical pipe and cable as per IS 9537 and IS 694.

Products

HUMIDITY CHAMBER

img - 11



Above instructions are used for conditioning test sample at 0°C to Amb temperature and humidity at 65% Rh.

SPECIFICATION	HUMIDITY CHEMBER	
	MODEL NO.	SIZE
Inner side dimension	MST-HC-01	L18" x W18" x D18"
	MST-HC-02	L24" x W24" x D24"
	MST-HC-03	L36" x W36" x D36"
system status	Digital	
Model orientation	Vertical	
Temperature controller	Micro processor based double display PID controller	
Cooling	Through specially designed high efficient cooling system	
Air circulation	Through blower fitted at the back side	
Temperature range	Ambient to 80.0°C	
Temperature least count	0.1°C	
Accuracy	± 0.5°C	
Timer	Micro processor based double display digital timer (Optional)	
Timer range	999.9 Seconds, Minutes or Hours	
Humidity range	1% RH – 100% RH	
Humidity least count	0.1% RH	
Humidity accuracy	± 2% RH	
Insulation	50mm thick PUF	
Material of construction	Inner chamber: Coloured thick galvanized / Anodized aluminum / S.S. 304. Outer chamber: M.S. dual side powder coated	
Power supply	230V AC, 1 Phase, 50 Hz	
Application	For conditioning testing sample at 27 °C and 65 % humidity	

CARBON CONTENT TESTER

img - 12



This test is to find out Carbon Black Content in plastic pipes, films, sheets, cable, water tank etc. The test temperature is about 550°C.

SPECIFICATION	MODEL (MST-CBC-01)
System status	Digital
Heating element	1000 Watts heating element wounded on ceramic tube
Temperature controller	Micro processor based double display PID controller
Temperature range	Ambient to 950°C
Temperature least count	1°C
Accuracy	± 2°C
Furnace	With dual insulation such that the outer surface temperature does not exceed 50°C
Effective furnace size	300mm in Length x Ø45mm
Pyrolyting chamber	Heat resistant quartz glass tube
End closures	Silicon rubber corks with glass tubes to accept gas tubing
Pre treatment attachment	De-oxygenating unit and de-humidifying unit
Gas flow control	Through a single stage regulator & flow meter
Sample holder	Quartz boat of Ø12mm & 75mm Length
Post treatment attachment	Double dissolution unit
Timer	Micro processor based double display digital timer (Optional)
Timer range	999.9 Seconds, Minutes or Hours
Insulation	100mm thick triple layer cerawool
Power supply	230V AC, 1 Phase, 50 Hz
Application	To check the carbon content percentage of HDPE/ LDPE pipes

COMPRESSION TESTER

img - 13



It is used for testing conduit and duct pipes of sizes 20 to 110 mm as per IS: 9537 (Part- 1). It has arrangement of applying force on outer diameter and measure the deflection at different force and calculate the compression strength of pipe as per standards.

1. A compression test determines behavior of materials under crushing loads. The specimen is compressed and deformation at various loads is recorded. Compressive stress and strain are calculated and plotted as a stress-strain diagram which is used to determine elastic limit, proportional limit, yield point, yield strength and, for some materials, compressive strength.
2. Range: 125 to 750 N

Products

DIGITAL WEIGHING BALANCE

img - 14



For measuring weight at accuracy of 0.1 mg, it is totally analytically weigh system with digital display. It has two movable glass windows to put sample in and out. This balance is also useful for testing density test of plastic products and raw materials. It follows IS: 4984, IS: 4985, IS: 12786, IS: 7834, IS: 12818, IS: 13592.

SPECIFICATION	MODEL (MST-WB-01)
Reference standard	IS 4985, IS 12786, IS 13488
System status	Digital
Load cell	High sensitive flat bar type electronic loadcel
Weighing capacity	300 Gms
Least count & accuracy	Least count 0.005gms and accuracy 0.5% of full scale
Result calculation	Automatic (Auto tare facility available at optional)
Display	LCD for readings & results
Weighing space	Sliding glass door on both sides with front glass cover
Weighing pan	Stainless steel
Accessories	Complete specific gravity tool kit, pan straddle & forceps
Power supply	230V AC, 1 Phase, 50 Hz
Application	To check the density of pipe and material

SHEET MOULDING PRESS

img - 15



This machine is very useful for preparing tensile test sample of HDPE, LDPE and PP raw material. Put raw material HDPE, LDPE, PP into Chromium Plated Die and Clamp between the Electric Heating System of the machine. Heat at 190° and give compression pressure 100 Kg/Cm² on the mould to the raw material and cool to the room temperature, then specimen is ready to tensile testing.

SPECIFICATION	MODEL (MST-SMP-01)
System status	Digital
Model	Rigid floor standing model
Sample size	100mm x 120mm x 5mm thick PE sheet (other size available at option)
Heating	High efficient industrial cartridge heaters in both heater plates
Temperature controller	Micro processor based double display digital temperature controller
Temperature range	Ambient to 200°C
Working pressure	Pressure up to 150 Kg/cm ² developed through heavy duty 20 ton hydraulic jack
Insulation	Heat insulator inserted between heating & cooling plates
Power supply	230V AC, 1 Phase, 50 Hz
Application	For testing Density and Impact strength of raw material PP/ HDPE/ Nylon/ ABS/ HIP etc.

HOT & COLD WATER BATH

img - 16



It is used for to test long term and short term hydraulic at test temperature 0°C and up to 90°C for PVC, HDPE, LLDPE and Sprinkler Pipes.

SPECIFICATION	MODEL (MST-WB-01-H)	MODEL (MST-WB-03-V)	COLD WATER BATH- MST-CWB-01
Inner side dimension	L40" x W24" x H18"	L32" x W20" x H12"	L24" x W20" x H14"
system status	Digital	Digital	Digital
Temperature controller	Micro Processor based double display PID Controller	Micro Processor based double display PID Controller	Micro processor based double display PID controller
Heating/ Cooling			
Water circulation	Through high efficient S.S. tubular heating system	Through high efficient S.S. tubular heating system	High efficient cooling system designed by expert
Temperature range			
Temperature least count	Through water pump	Through water pump	Through water circulation pump of 'TARO' make
Temperature accuracy	Ambient to 90°C	Ambient to 90°C	Ambient to 10°C
Insulation	0.1/1°C	0.1/1°C	0.1°C
Material of construction	± 0.5°C	± 0.5°C	± 0.5°C
Power supply	50mm thick glasswool	50mm thick glasswool	50mm thick PUF
Application	Inner chamber: Polished S.S. 304 of calculated gauge as per water volume Outer chamber: M.S. dual side powder coated	Inner chamber: Polished S.S. 304 of calculated gauge as per water volume Outer chamber: M.S. dual side powder coated	Inner chamber: Polished S.S. 304 of calculated gauge as per water volume Outer chamber: M.S. dual side powder coated.
	440V AC, 3 Phase, 50 Hz	440V AC, 3 Phase, 50 Hz	230V AC, 1 Phase, 50 Hz
	For HDPE/PVC/LLDPE/Emitting pipe (for Pipe diameter below 200mm)	For HDPE/PVC/LLDPE/Emitting pipe (for Pipe diameter below 200mm)	For PVC/ SWR/ Casing/ Suction Pipe
(Note:- We also supplies Hot and Cold Water Bath as per your dimensional and technical requirement.)			

Products

DEEP FREEZER

img - 17



Above instructions are used for conditioning test sample at 0°C to Amb temperature and humidity at 65% Rh.

SPECIFICATION	COOLING CHAMBER	
	Model No.	SIZE
Inner side dimension	MST-CH-01	ASTM DL18" x W18" x D18"
	MST-CH-02	L24" x W24" x D24"
	MST-CH-03	L36" x W36" x D36"
system status	Digital	
Model orientation	Horizontal / Vertical (Optional)	
Temperature controller	Micro processor based double display PID controller	
Temperature range	Through specially designed copper piping system	
Temperature least	0.1°C	
count	0.1°C	
Accuracy	± 0.5°C	
Timer	Micro processor based double display digital timer (Optional)	
Insulation	50mm thick PU Foam	
Material of construction	Inner chamber : S.S. 304.	
	Outer chamber: M.S. dual side powder coated	
Power supply	230V AC, 1 Phase, 50 Hz	
Application	To conditioning of sample at 0 °C	

HOT OIL BATH

img - 18



Oil Bath is used for testing reversion of UPVC Pipes and SWR Pipes as per IS: 4985: 2000 and IS: 13592: 2013 at 150°C.

SPECIFICATION	HOT OIL BATH - MST-HOB-02	HOT OIL BATH - MST-HOB-03
Inner side dimension	L48" x W36" x H18"	L36" x W12" x H12"
System status	Digital	Digital
Temperature controller	Micro processor based double display PID controller	Micro processor based double display PID controller
Heating	Through high efficient S.S. tubular heater system	Through high efficient S.S. tubular heater system
Water/Oil circulation	Continuous stirring through stirrer motor	Continuous stirring through stirrer motor
Temperature range	up to 200°C	up to 200°C
Resolution	0.1°C	0.1°C
Accuracy	± 0.5°C	± 0.5°C
Insulation	50mm thick glass wool	50mm thick glass wool
Material of construction	Inner chamber: Polished S.S. 304	Inner chamber: Polished S.S. 304
	Outer chamber: M.S. dual side powder coated.	Outer chamber: M.S. dual side powder coated.
Power supply	230V AC, 3 Phase, 50 Hz	230V AC, 1 Phase, 50 Hz
Power supply	To check the reversion/ stress relief in PVC pipes and fittings	To check the reversion/ stress relief in PVC pipes and fittings

MUFFLE FURNACE

img - 19



It is used for testing of Ash/CaCO₃ content in pipes and raw material at 850°C. This furnace has a testing range from Amb to 1000°C. Muffle Furnace is also useful for testing CaCO₃ content in raw material like HDPE, LLDPE, PP, Nylon, etc.

SPECIFICATION	MUFFLE FURNACE (Ash Content Test)	
Inner side dimension	Model No.	SIZE
		MST-MF-01
system status	Digital	
Temperature controller	Micro processor based double display PID controller	
Heating	Through high grade nichrome wire	
Temperature range	Ambient to 950°C	
Temperature least count	1°C	
Accuracy	± 1°C	
Timer	Micro processor based double display digital timer	
Timer range	999.9 Seconds, Minutes or Hours	
Safety MCB	Available on electrical pannel	
Insulation	100mm Thick Glasswool	
Material of construction	Inner chamber: Tough ceramic Outer chamber: Heavy M.S. dual side powder coated	
	230V AC, 1 Phase, 50 Hz	
Power supply	230V AC, 1 Phase, 50 Hz	
Application	To determine ash content of PVC/ SWR/ Casing and Conduit Pipes	

Products

EMISSION FLOW TEST APPARATUS

img - 20



To meet the varied requirements of our esteem consumers, we are offering high-grade Emission Flow Test Apparatus. The offered range of product is constructed and designed by our team of experts in tune with the global quality standards and norms. Our valuable clientele can avail this product from us in various configurations and added stipulation as per their requirements.

SPECIFICATION	MODEL(MST-FVT-01)
System Status	Rigid Floor Standing Model
Model	Can be Test minimum 25 test Sample at a time
Sample Size	SS 304 Tank Fitted At Bottom Of Equipment Capacity 250 Ltr.
Tank	10 Micron Filter Inserted At The Inlet Of Pump
Pressure Source	Pressure should Be Development high Pressure pump Of Reputed make
Working Pressure	1.00Kg/cm ² /bar to 4.50 Kg/cm ² / Bar
Accuracy	±0.05Kg/cm ² / Bar
Pressure Control	Precision Pressure Control Through Throttle Valve
Pressure Indicator	Double Display digital Pressure Indicator With built In Digital Timer (Range 0-999.9 Second)
Power Supply	230V AC, 1 Phase, 50 Hz

CONDUIT IMPACT TESTER

img - 21



It is used for testing impact properties of polymers and this is directly related to over all toughness of material and finish product specially PVC Pipes.

SPECIFICATION	MODEL(MST-CIT-01)
Reference standards	ASTM D2444 - 99(2010)
Falling height	2000mm
Height	Manually
Height adjustment resolution	± 2mm
Striker(Dart)	S.S.
Striker (Dart) weight	As per standard
Striker (Dart) release device	Pull release free falling mechanism
Diameter of test sample	Ø20mm to Ø300mm
Sample clamping	On 120° V Block
Paint	Powder coated
Application	To check the impact test of conduit pipe

BENDING TEST APPARATUS

img - 22



This machine is used for electrical conduit pipes 16, 20, 25 mm as per IS: 9537 (Part 1 & 3). It is used to bend pipes at 90°, 180° and to test internal diameter by passing respective ID gauges for confirmation of internal surface and diameter.

SPECIFICATION	MODEL (MST- BTA- 01)
System status	Manual
Model	Rigid floor standing model
Sample size	Ø16mm, Ø20mm, Ø25mm each sample pipe shall be 500mm(other size available at option)
Bending Type	Manual bending aid in the form of coil springs structure having diameter 0.7mm or 1 mm less than the specified minimum inside diameter of the conduit
Machine Detail	500mm x 500mm x 200mm,
Bending Equipment	Former, pending rollers
Application	To check the bending strength of electrical conduit pipes

BALL POINT APPARATUS

img - 23



This instrument is used for checking resistance to heat of conduit pipes. One pair of sample shall be placed in horizontal position on steel support below the ball point of apparatus. Whole assembly being placed in heating air oven at 60° ± 2°. After 2hour steel ball of 5mm at load 20N shall be pressed against the inner surface. After 1 hour ball shall be removed and the sample taken out of heating cabinet and after 2 hour measure the diameter of ball impression.

Products

OIT TESTER

img - 24



SPECIFICATION	OIT TESTER
Temperature Controller	PID Microprocessor Based Double Display PID Controller with Data Login & Graph/ Computer Inter Face.
Heating	SS Tubular Heating.
Temperature Range	Up to 400°C.
Resolution	0.1°C.
Accuracy	±0.5°C.
Insulation	High Grade 50mm Glass Wool Sheet.
Material of Construction	Inner Chamber Aluminum Outer Chamber M.S. Dual Side Powder Coated.
Power Supply	230V AC.
Application	To Check The Oxidation Indication Time in HDPE Pipe.

V NOTCH CUTTER

img - 25



SPECIFICATION	V Notch Cutter
Dimension	38x28x57"
System	Digital.
Speed Controller	VF Drive.
Machine Capacity	up to 12mm V Cutting.
Power Supply	3ph 440V Ac.
Material of Construction	Dual Side Power Coated.
Application	V Notch Cut Equal Angle Cutting

CONTOUR CUTTER

img - 26



SPECIFICATION	CONTOUR CUTTER
Dimension	20x20x38"
Machine Capacity	Up to 25mm Sample Cutting.
Cutter	12mm Milling Cutter.
Motor Speed	1400 Rpm.
Material	M.S. Powder Coated Dual Side.
Application	For Sample Cutting HDPE Pipe.
Power Supply	230V Ac Single Phase

TENSILE TESTER (SMALL)

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SPECIFICATION	OIT TESTER
System Status	Digital.
Machine Capacity	200kgf
Dimension	12x20x42 LxWxH
Load Cell Unit	KG
Cross Head Travel	Up to 300mm
Resolution	0.1kg
Speed	5mm-100mm per minute.
Speed Controller	VF Drive
Power Supply	415V Ac 3Ph
Application	HDPE pipe, Lateral, Inline, Online, Lather strip, Nylon rope, Polyethylene flim.

END CAPS

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End Caps for PVC/ HDPE/ LDPE Pipes.
Sizes available: 12 mm to 315 mm

END HOLDER

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MECHANICAL GAUGES

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Gauges for checking min/max O.D., mean O.D.,
mean I.D. of plastic pipes.

Products

• INSULATION RESISTANCE TESTER

0 to 5 KV/250mA
L.C.- 0.1 KV/10 mA

• VST/ HDT Test Apparatus

It is used to check the deflection temperature limit of any polymers like pre pipe / sheet / profile.

• BREAK DOWN TESTER

0 to 5 KV/250mA
L.C.- 0.1 KV/10 mA

• Hot & Cold Water Bath

It is used for to test long term and short term hydraulic at test temperature 0°C and up to 90°C for PVC, HDPE, LLDPE and Sprinkler Pipes.

LIST OF OTHER MACHINERIES

- ▶ IZOD Charpy Impact Tester
- ▶ VSPT HDT Test Apparatus
- ▶ Break Down Tester
- ▶ Blown Film Extrusion Plant
- ▶ HVAC Tester
- ▶ Insulation Resistance Tester
- ▶ Tear Strength Tester
- ▶ BOD Incubator
- ▶ Laminar Air Flow
- ▶ Auto Clave Portable
- ▶ Incubator Lab Type
- ▶ Water Bath Rectangle
- ▶ Hot Plate
- ▶ Digital Spectrophotometer
- ▶ Turbidity Meter
- ▶ TDS Meter
- ▶ Digital Colony Counter
- ▶ Microscope
- ▶ Centrifuge
- ▶ Vacuum Pump
- ▶ Gas Stripping Apparatus
- ▶ Distilled Water Plant
- ▶ Magnetic Stirrer

List of our Client

SR. NO.	NAME OF THE COMPANY	ADDRESS
1	PLASTIC PUGLIA	ITALY
2	TANA DRILLING INDUSTRIES PLC	ETHIOPIA, OMAN
3	FINOLEX PLASSON INDUSTRIES PVT. LTD.	URSE VILLAGE, PUNE
4	GOODYEAR SOUTH ASIA LTD	AURANGABAD
5	KISAN IRRIGATION AND INFRASTRUCTURE LTD.	MUMBAI, MAHARASHTRA
6	CIPET	CHENNAI
7	SUPREME INDUSTRIES LTD.	JALGAON, MAHARASHTRA
8	MAHALAXMI PIPES	JALGAON, MAHARASHTRA
9	SAIRAM PLASTICS	JALGAON, MAHARASHTRA
10	GREEN INDIA IRRIGATION PVT. LTD.	SHRIRAMPUR, MAHARASHTRA
11	MANGAL POLYSACKS PVT.LTD.	NASHIK, MAHARASHTRA
12	PRATIBHA PACKAGING PVT.LTD.	NASHIK, MAHARASHTRA
13	SONA POLYPLAST PVT. LTD.	KOPARGAON
14	DATTA IRRIGATION COMPANY	JALGAON
15	SHREE PRABHU PETRO CHEMICALS PVT. LTD.	AURANGABAD, MAHARASHTRA
16	ARTS WATERMATICS	PARBHANI
17	G K PLASTICS	AHMEDNAGAR
18	PREMIER IRRIGATION PVT.LTD.	NAGPUR
19	FORTUNE INDUSTRIES	KURKUMBH
20	KRITI INDUSTRIES LTD.	PITHAMPUR (M.P.)
21	GAUTHAMI PIPES PVT. LTD.	HYDERABAD
22	DHARANI PIPES PVT. LTD.	KOPPAL, KARNATAKA
23	VIGNESHWAR POLYMER	DHARWAD, KARNATAKA
24	PRINCE PIPE & FITTINGS PVT.LTD.	SHOLAVARAM, CHENNAI
25	B.N.INTERNATIONAL PRIVATE LIMITED,	DHANBAD
26	WELLWORTH POLYMERS	ERNAKULAM, KERALA
27	JALDHARA AGRO PLAST	SOLAPUR
28	J K TECHNOPLAST PVT. LTD.	JALNA, MAHARASHTRA
29	CHEMPLAST(SUPREME INDUSTRIES)	BELGAUM, KARNATAKA
30	SUPREM GOLD INDUSTRIES	NANDED
31	MANORAMA ROPES INDIA PVT. LTD.	PARBHANI
32	K. K. POLYMERS PVT. LTD.	VIJAYWADA (AP)
33	NAGARJUNA POLYMERS	HYDERABAD
34	SAHYADRI POLYMERS	SHIMOGA
35	SRI KRISHNA PIPE INDUSTRIES	KUNDAPUR



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