

Polymer Testing Machines







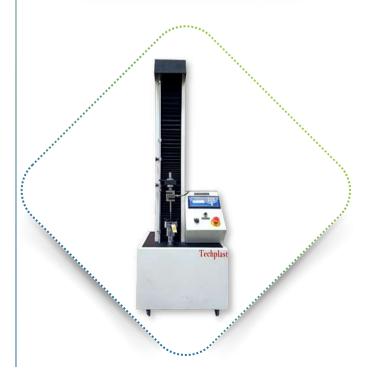






Universal Testing Machine

SPECIFICATION		
Load capacity	UP TO 5000 kg.*	
No. of load cell	One	
Cross Travel	up to 700 mm	
Speed	1mm/Minute to 500mm/Minute	
Paint	Powder coated	
Power	440 Volts, 50Hz, Three phase	



Tensile Testing Machine



SPECIFICATION		
Load cells Capacity	UP TO 5000 kg.*	
No. of load cell	Optional One or Two	
Cross Travel	up to 600 mm	
Horizontal day light	700 mm	
Speed	1mm/Minute to 500mm/Minute	
Paint	Powder coated	
Power	440 Volts, 50Hz, Three phase	



Puncture Resistance Tester Manufacturers

SPECIFICATION	
Load Capacity	20 kg to 5000 Kg
Speed	Variable with AC frequency drive
Speed	1 TO 100 mm/min
Minimum Grip Separation	25 mm
Maximum Grip Separation	700 mm
Puncture grip	01 Set
Extension meter	Least count of 1 mm through proximity/encoder switch
Paint	Powder Coating
Power	230 V / 50 Hz & 440V Ac/ 3 phase, + N, E.







Sealing / Bond /Peel Strength Tester

SPECIFICATION		
Load Capacity	50 Kg*	
No. of load cell	One	
Cross Travel	500 mm	
Speed	1mm/Minute to 500mm/Minute	
Paint	Powder coated	
Power Supply	1 Phase, 230V Ac, 50 HZ	



Motorised Impact Tester (UL-651)

SPECIFICATION	
The impact height may be set between	100mm to 3350mm
Height error	±3mm
Striker rising speed	12m/min
Striker weight	9.1kg (?51) and 34kg (?150)
Test specimen {outside diameter?	Powder Coating
Length	3350mm
Operation	Automatic
Pneumatic Cylinder	02 Nos - 50 x 160 mm
Solenoid Pneumatic Valve	¼ Bsp thread and 5/2 Connection
Base and Top Structure	16 mm M.s Plate
Paint	Powder Coating
Power	230 V AC/ 50 Hz



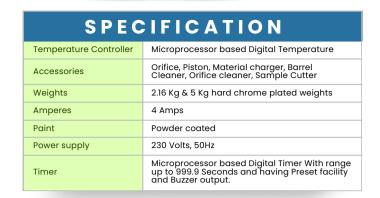
Tensile With C.O.F Tester

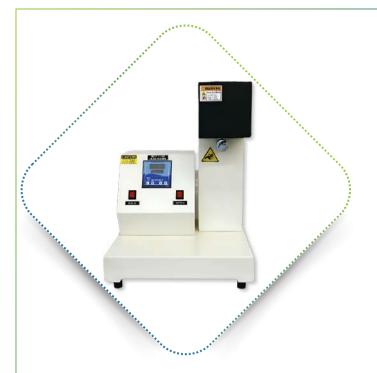
SPECIFICATION	
Load Cell 1 Capacity	1000 Gram
Loadcell 2 Capacity	20 Kgf
COF Test Assembly	01 Set
Tensile Grip	01 Set
Pre-Set Speed	10 TO 500 mm/min
No. Of load cell	One
Paint	Powder Coating
Power	230V Ac / 50 HZ







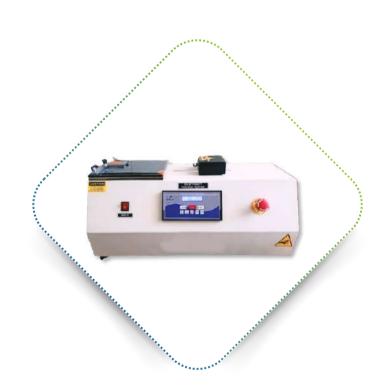




Co-Efficient Friction Tester

SPECIFICATION	
Capacity	Up to 9.999 kg.
Direct Display	Static and kinetic friction values
Speed	150mm/minute
Weight of sled	200 grams
Accessories	Three nos. of S.S templates
Paint	Powder coated
Power supply	230 Volts, 50Hz, Single Phase





Digital Hydrostatic Presuure Tester

SPECIFICATION	
Pressure Range	0 – 100 bar*
Pressure Input	Through compressed air having pressure upto 5 kg/cm.sq
Pressure Output	Through hydro-pneumatic pump
No. of Stations	8 nos
Time Range	0 – 999.9 hours
Paint	Powder coated
Power supply	230 Volts, 50Hz, Single Phase



Hot Air Oven

SPECIFICATION	
Size of the Working Chamber	12 inch X 12 inch X 12 inch*
Material of Construction	M.S.
Temperature Range	Ambient to 250°C
Paint	Powder coated
Power Supply	230 Volts, 50Hz



Moisture Analyzer

SPECIFICATION	
Halogen or infrared (AGS/IR) radiators	
Graphical display	
Text menu	
Drying chart displaying	
Reports edition with computer keyboard	
Power	230 VAC/50 HZ
Capacity	60g - 110g





Motorized Notch Cutter

SPECIFICATION	
Depth of Notch	Up to 5 mm
Range	0-25mm with L.C of 0.01 mm
Sample Size	63.5 x 12.7
Cutting angle	45 degree
Motor	1/5 HP, Single Phase
Applications	Plastic Sheets
Paint	Powder coated
Power	220 Volt, 50 Hz, Single Phase



Carbon Black Content Tester

SPECIFICATION	
Temperature Range	Ambient to 800 C
Temperature Least Count	1 C, Accuracy + 5 C
Type of sensor	K type
PID Controller make	PPI Omnix +48
Paint	Powder coated
Power supply	230 Volts, 50Hz



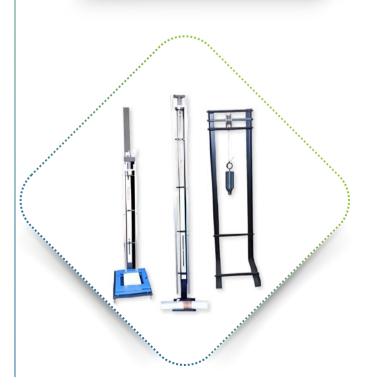


Mufele Furance

SPECIFICATION	
Inner Chamber Size	9" x 4" x 4"
Temperature Range	Ambient to 900 C
Temperature Least Count	1 C, Accuracy + 5 C
Insulation	Glass wool
Type of sensor	K type

Heat Seal Tester

SPECIFICATION		
Temperature zone	Two zone	
Controller	Auto tuned PID controller with temperature range	
Clamping Jaws	One fixed and second movable by pneumatic action	
Adjustable temperature	0- 199.9°C(Digital P.I.D Controller)	
Adjustable dwell time	0-9.99 seconds (Digital Display)	
Sealing Depth	6mm / 8 mm 1 10 mm / 12 mm or as desired.	
Sealing Length	2 4 6 8 10 12 Inches or as desired	
Power requirement	230 Volts, 60 Hz, Single phase – 16ampere	





Impact Tester

SPECIFICATION	
Height of fall	500mm, 1000mm and 2000mm
Weight of striker	250 grams, 500 grams and 1000 grams
Material of striker	S.S
Angle of "V" block	120°
Release mechanism of striker	Manual
Paint	Powder coated





V-ICAT Softening Point Apparatus

SPECIFICATION	
Temperature Range	From ambient to 300 °C
No of Stations	With Options Of 2 Stations to 6 Stations
Material of construction	Inner bath: S.S
Outer body	M.S
Rate of heating	120 °C / hour and 50 °C / hour
Sensor	Range up to 10mm with resolution of 0.01mm
Paint	Powder coated
Power	230 Volts, 50Hz, single phase





SPECIFICATION	
Material of construction	S.S
Counter	Digital counter 9999 count
Weights	5 gram to 500 gram (Aluminium and S.S)
Paint	Powder coated
Power	230 V AC/50 Hz



Humidity Chamber

SPECIFICATION		
Size of the working chamber	18 inch X 18 inch x 24 inch*	
Material of construction	Inner bath : S.S / Outer body : M.S	
Humidity Range	20% RH to 95% RH	
Temperature Range	10°C to 85°C	
Paint	Powder Coated	
Power	230 Volts, 50 Hz, Single phase	









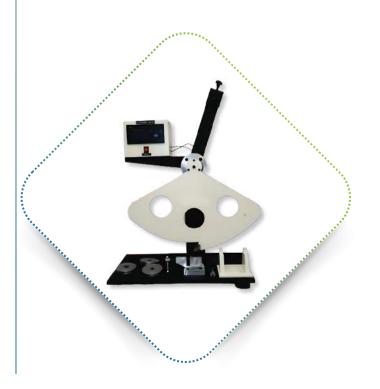






Opacity Tester

SPECIFICATION	
Range	0 - 99.9 % opaque
Direct display	% opaque
Paint	Powder coated
Power	230 V AC/50 Hz single phase





IZOD / CHARPY Tester

SPECIFICATION	
Capacity	Up to 25.00 Joules
Release angle of Pendulum	150 degree
Range of Four Scales	0-2.71 Joules, 0-5.42 Joules, 0-10.84 Joules, 0-21.68 Joules and 0-25.00 Joules
Minimum resolution on Scale	0.02 Joule, 0.05 Joule, 0.1 Joule, 0.2 Joule and 0.2 Joule respectively
Paint	Powder coated
Power	230 Volts, 50 Hz, Single phase





E.S.C.R Tester

SPECIFICATION		
Temperature Range	0-200 °C	
Timer range	999.9 hours	
Accessories	Cutting die, nicking jig, bending cum transfer tool, specimen holder, test tube & rubber cork	
Water circulation	Through induction motor with stirrer	
Inner Body	S.S Body	
Outer Body	M.S Body	
Testing capacity	6 tests at a time	
Paint	Powder coated	
Power	230 Volts, 50Hz, single phase.	





Vacuum Leakage Tester

SPECIFICATION

Vacuum adjustable up to -760 mm-Hg

Box made of polished transparent PMMA (very rugged)

Easy to use and safe

2 stage vacuum and holding time setting Accuracy 0.5% of the measure

Delivered with vacuum generator

Customised Box with dimensions upon reqsest

Digital Bursting Strength Tester

SPECIFICATION	
Capacity	40Kg/ Cm2
Display resolution	0.0 lKg/ Cm2
Pump Flow Rate	95 + 5 ml/min for paper, 170 + 15 ml/min
Least Count	0.1kg/cm2
Accuracy	+ 1% of Read Out Value
Accessories	11 No Diaphragm No Aluminum Foil For calibration, 1 No Spanner(key) 1 No power cable, 1 bottle Oil







GSM Weighing Balance With Round Cutter

SPECIFICATION	
Range	0 to 300 gram
L.C	0.01 Gram
Template Size	100 x 100 mm2 (Square)
Power Supply	230 V AC/50Hz

Lab Model Hydraulic Compression Moulding Press

SPECIFICATION	
Main Body	0 – 99.9 % opaque
Platen Size	% opaque
Maximum Temperature Range	ambient to 300 C
Cylinder Stock	200 mm
Heating Load	1.2 Kw/Platen
Maximum Pressure	120 bar Hydraulic Cylinder for making sheets Limit switch for cutting o fflower stock
Spare Die For Making Sheet	2 mm, 3mm, 4mm Pressure switch for maintain pressure Proximity sensor for double safety purpose Solenoid vale with relay for forward and reverse Platen type heater for heating the granules
Corrugated Pipe For Cooling	04 No's (2 meter) Hydraulic power pack for operating machine
Motor Capacity	2 Hp Digital PID Temperature Controller
Controller Make	Selec
Digital Timer Make	Selec
Power Supply	380 V AC / 60 Hz +N, E





Carbon Black Dispersion Tester

SPECIFICATION	
Temperature range	Ambient to 200°C
Paint	Powder coated
Power 230 Volts, 50 Hz, Single phase	



Hydraulic Density Press

SPECIFICATION	
Temperature Controller	For Both Platens
Temp. Range	200 Deg C
Pressure	10 Tons
Pressure Gauge	Dial Indication
Cooling	Chilled water
Pressure by	Manual hydraulic jack of 10 ton
Paint	Powder coated
Power	230 VA/C, 50 Hzs



Freezer

SPECIFICATION	
Material of construction	S.S
Inner Body	S.S
Temperature Range	Ambient to -5
Paint	Powder coated
Power	230 V AC/50 Hz



Oil Bath For Reversion Test

SPECIFICATION	
Material of construction	M.S
Inner Body	S.S
Temperature Range	Ambient to 250°C
Least Count	0.10C
Size	4ft. X 1ft. X 1.5ft., 4ft. X 3ft. X 1.5ft., 6ft. X 4ft.
Paint	Powder coated
Power	230 V AC/50Hz, 440 V AC/3 Phase









Vaccum Oven

SPECIFICATION	
Temperature Controller Range	Ambient to 95°C
Vacuum Range	As per Requirement
Body	M.S
Paint	Powder coated
Power Supply	230 V Ac/50Hz

Digital Dichloromethane Tester For PVC Pipe

SPECIFICATION	
Temperature Controller	Up to 12oC
Inner water tank Size	450mm x 450mm x 450mm (LxBxH)
Outer size of water bath	500mm x 500mm x 500mm (LxBxH)
Material Construction	Inner S.S. and outer M.S. body
Circulation	Through Reputed Make Motor
Paint	Powder Coated
Power	230V AC, Single Phase





Hot and Cold - Water Bath

SPECIFICATION	
Temperature Controller	Digital PID Controller With Range Up to 95
Size Of The Inner Bath	48"X 30"X 18"
Controller Make	Digital Controller With Range Ambient To 27
Circulation	Water Pump
Insulation PUF With Insulated Hydraulic Door	
Temperature Range Ambient To 20	
Paint	Powder Coating



Digital Viscosity Bath

SPECIFICATION	
Temperature Range	20 °C to 150 °C
Control Accuracy	+0.05 C or 0.25% of FS
Resolution	0.1 \ 0.01° C
Chamber Size	200 x 260 x 350, 370 x 260 x 350
LTR	28, 40
Suitable For	4 VM, 6VM
Power	230V AC/Single Phase





Dumbbell Press (5T)

SPECIFICATION	
Capacity	5 Ton
Paint	Powder Coated
Power Manually Operated	

Two Roll Mill

SPECIFICATION	
Main Body	M.S Body
Roller Size	150mm(D) × 250 mm (L)
Nip Gap	0.3 mm to 6.00 mm
Heating Load	2.6 Kw/ Roller
Drive	Danfoss FC-51 (2 Hp)
Motor Detail	2HP Specially Designed Displacement Meter
Nip Gap	LVDT Sensor For Nip Gap
Slip Ring	Copper Slip Rings For Transferring Heater And Temperature Inputs To Controller
Motor Make	Rotomotive
Gear Box Make	Rotomotive
Gear Box	20:1
Temperature Controller Make	Techplast
Power Supply	440 V AC / +N, E
Paint	Powder Coated















Flammability Tester

SPECIFICATION	
Specimen Size	1/2"X5" Horizontal And Vertical Burning Test
Accuracy	± 2% At Full Range
Specimen Holder Angle	45° & 90°
Material	Stainless Steel
Digital Timer Range	999.9 Second
Digital Timer Least Count	- 0.1 Second
Igniting Flame Length	20mm±1
Power	220V, Single Phase, 50 Hz

Four Cell Ageing Ovens

SPECIFICATION	
Capacity	4 cell
Oven Type	Вох Туре
Temperature	200-300 deg. Celsius
Material	Mild Steel
Power	230 V Ac





Lab Model Blown Film Plant

SPECIFICATION		
Special Compact Design for Lab Purpose Blown Film Plant		
25 MM Extruder With L.D/L.L. And H.M/L.L. Blown Film Dies		
25 mm Extruder with LL/LD, HM/HD		
PID Controls and Variable Drives		
Compact Panel Attached to The Machine		
Customised Box with dimensions upon reqsest		
Film width	25 mm to 150 mm	
Film Thickness	10 Micron to 100 Micron	
Power	440 V Ac/ 3 phase	



Emitter Flow Rate Variation Tester

SPECIFICATION		
Digital Microprocessor based Pressure Controller Cum Timer		
Pressure Gauge 05 No's (2.5 Bar)		
Pressure Transducer	10 Bar	
No of Sample test at one time	25 Sample	
Water pump	0.5 Hp / 230 V Ac	
Measuring Cylinder with flask	25 No's	
Timer Range	999.9 minute	
Power	230 V Ac / 50 Hz	



Hot Water Bath

SPECIFICATION		
Temperature Controller	Ambient to 95 deg C. / accuracy: + 1 °C	
Controller make PPI Omnix +48		
Inner S.S chamber size	48" x 30" x 18"	
Outer body	M.S.	
Load 4.0 KW		
Paint	Powder coated	
Power Supply	3 phase, 440 V AC	
Circulation through Crompton motor		



Dichloromethane Bath

SPECIFICATION		
Temperature Controller	Digital PID Controller with range up to 12oC	
Inner water tank Size	450mm x 450mm x 450mm (LxBxH)	
Outer size of water bath	500mm x 500mm x 500mm (LxBxH)	
Material Construction	Inner S.S. and outer M.S. body with Powder Coated.	
Cooling Load	Cooling Through Reputed Make Compressor	
Circulation	Through Reputed Make Motor	
Insulation	Glass wool	
Power Supply	230V AC, Single Phase	











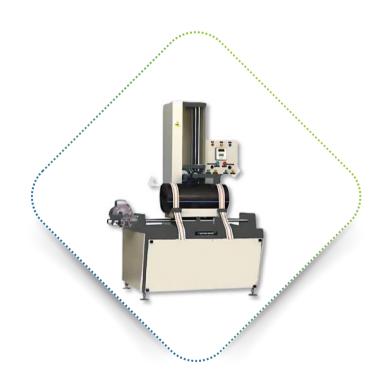
Pouch Burst Tester

SPECIFICATION		
Capacity	500 Kgf	
Least Count	0.1 Kgf	
Accuracy	0.2% of Full Scale (i.e. 1 Kgf)	
Platform Size	 200 x 200 mm With Max Pouch Size Of 200 x 200 x 45mm 400×400 mm With Max Pouch Size Of 400 x 400 x 95mm 	
Power	230 v Ac / 50 Hz	

V Notch Cutter

SPECIFICATION		
Applicable For	HDPE Pipe up to Ø400mm	
Cutter Type	Hardened tool having cutting angle of 60°	
Cutting Ratio	Available @ of 0.010 +/- 0.002 mm/rev/tooth	
Notching Capacity	Depth up to 15mm vide width of 400mm	
Movement	Horizontal & vertical movement thorough Induction motor	
Paint	Powder coated	
Power	440v AC, 3 Phase, 50 Hz	





Din Abrasion Tester

SPECIFICATION		
Load Weight	5N,10N	
Roll Dim	Diameter 150mm, Length 460mm	
Rotation Speed	40rpm	
Moving Distance Of The Holder	4.2mm Each Rotation	







Rinf Gauges For Conduits



Piston Gauges For Conduit Pipes



Optical Densitometer



Bending Test Apparatus For Conduit Pipe



C Gauges For Conduit



Cone Gauges For Conduit Pipe



End Caps For Pipes



Ball Point Test Apparatus





Digital Thickness Gauge



Digital Hardness Tester



Impact Tester For Conduit Pipe





Top Load Tester Machine



Yarn Tensile Testing Machine



Plastic Spool Testing linstruments



Pipe Compression Strength Tester



Rubber Tensile Testing Machine



Spring Load Testing Machine



Pipe Strength Testing Machine



Trapezoildal Tear Strength Tester



Wire Tensile Testing Machine





Fabric Strength Tester



Flexural Strength Testing Machine



Hair Strength Tensile Tester



Metal Tensile Strength Tester



MOE/MOR Strength Tester



Travelling Microscope



HDPE / PP / LDPE Drum Compression Tester



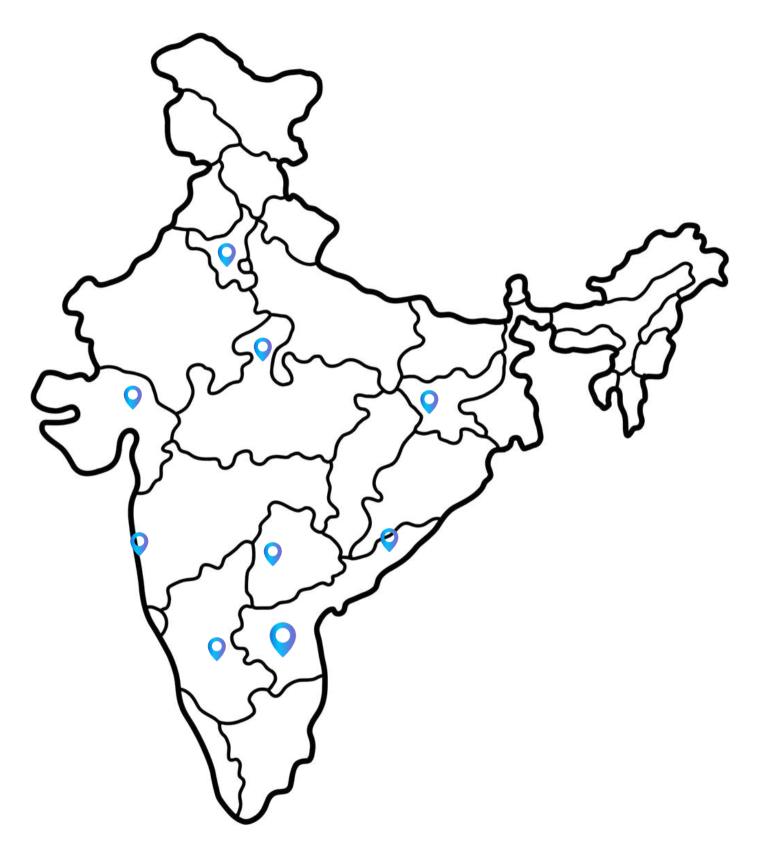
Pet Bottle **Compression Tester**



Box Compression Tester



Our Supply Chain





Plot No 39, 1st Floor, Lavanya Aracade, Jayabheri Enclave, Gachibowli, Hyderabad-500032.Telangana.