



Hitech Enterprises

(An ISO 9001 : 2015 Certified Co.)

Mfg. Rubber Testing Equipments,
Rheometer / Mooney Viscometer



MOVING DIE REHOMETER

MOONEY VISCOMETER

OSCILLATING DISC REHOMETER



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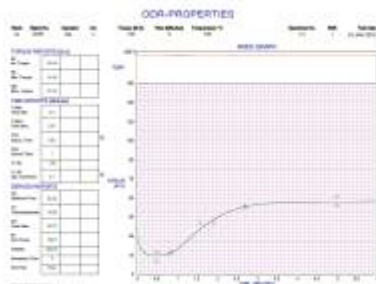


www.hitechrheometer.com
www.hitech-enterprises.in

Oscillating Disc Rheometer

Specification :-

Sample Volume	:	About 8 Cm ³
Manufacturing Standards	:	In Compliance with ASTM D2084, ISO 3417.
Main Power Supply	:	AC 175-275 V, 50 Hz, 20 Amp. maximum.
Compressed Air	:	60 psi (4.2 Kg./Sq. Cm.) minimum. (Air-Compressor is to be user's own equipment)
Frequency of Oscillating Disk	:	100 cycles/min. (1.66 Hz)
Oscillating Amplitude	:	$\pm 1^{\circ}, 3^{\circ}, 5^{\circ}$ (Half Cycle)
Temperature Control Range: 100-200°C Temp. (Sensor)	:	Microprocessor Controlled PT-100
Torque Transducer	:	(Reaction Torque Sensor).
Printed Data	:	Color Inkjet Printer
Environment	:	Free from Dust & Humidity.
Panel(Measurement)	:	i) Main Panel 56(h) X 24(w) X 24(L) Inches
Wt.Net 150 Kg Gross 200 Kg		



Mooney Viscometer



Specification :-

- Mooney Measuring range :2 to 200mu*
- Pre-Heat Time :0 to 60 Sec*
- Temperature :PT-100 Microprocessor controlled*
- Calibrated Range 5° to 200° C*
- Independent Upper and Lower Platen Control*
- Temperature Accuracy :PID Temp. control $\pm 0.5^\circ$*
- Rotor :Small and Large*
- Rotor Speed :2.0 \pm 0.02 R.P.M.*
- Drive Motor:Synchronous Geared Motor*
- Mooney Value:0.1 To 0.2 mu*
- Time Accuracy : ± 1 Sec*
- Torque Transducer:Reaction Torque Sensor*
- Recording & Display:Computer controlled testing.*
- Directly on-line display on VGA Monitor, Memory storage of data.*
- Automatic computation of results.*
- Multiple display of graphs. Statistical Analysis.*
- Statistical Quality Control.*
- Printed Data :Color Printing*
- Electric Power Supply:AC 175 - 275V, 50 Hz, 20 Amp. Max.*
- Compressed air supply:60 psi (4.2 kg / sq.cm) minimum operating pressure controlled by external regulator with gauge.*
- Environment:Dust free reasonably controlled ambient temperature and humidity.*
- Dimensions:Main Panel -24 x 24 x 56 inches*
- Computer System & Table Top.*

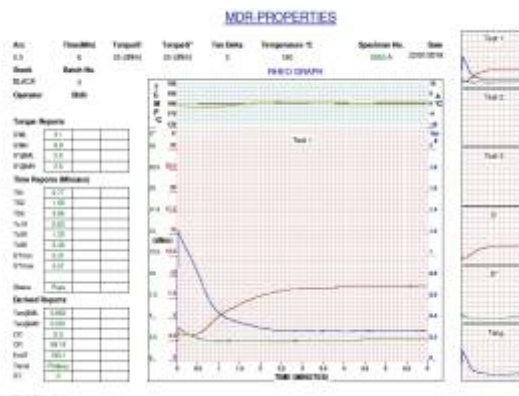
Moving Die Rheometer

Specification :-

Oscillation Frequency 100 cycles per minute(1.66HZ)
 Oscillating Amplitude +/- .5, 1, 3 degree
 Sample Volume Approximately 6cm³
 Temperature : Microprocessor Controlled,
 Calibrated Range 100-200Degree.C PID
 Electrical: 220 Volts AC 60HZ, Single Phase
 Air Pressure: 60psi minimum
 Printed Data: Torque S', @ML, S''@ML, Tan Delta@ML, S'@MH,
 S''@MH,Tan Delta@MH,TS2, tc50,tc90
 Graphic Output: Elastic Torque S'Tan Delta, Viscous Torque S''
 Computer Specification: Laptop
 Wt. 200 KG
 Panel : 24"X24"X56"

Features:

Elastic Torque curve
 Viscous Torque curve
 Upper / Lower die's curve
 Tan delta curve
 Rotorless



AI Ò ÑÑ Dispersion Analyzer

Specifications:

1. Standard Reference : ISO 11345
2. Computerized Dispersion Rating : Dispersion Classification
 - 9-10 Excellent
 - 7-8 Good
 - 5-6 Acceptable
 - 3-4 Poor
 - 1-2 Very Poor
- SN Text Picture: The Sample image displayed along with reference standard image
4. Dispersion Analyzer Software: Window Based.
5. Focus Setting: Automatic
6. Magnification Interface: 30x
7. Power Requirement: 240V, 50 Hz
8. Sample Cutter: Provided with spare blades
9. Reports: The Dispersion Analyzer performs. Statical Analysis of Results and can represent the data in graphical form if controlling within set limits.
10. Weight : 30 kg.

Carbon Dispersion Analyzer



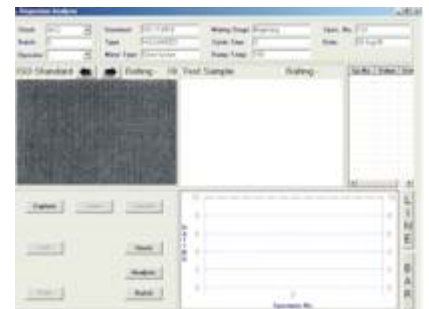
The need of the testing is to improve performance.

Dispersion Analyzer is testing equipment which analyses the Dispersion of the Carban Partical in Rubber compound & analyse it with the International Standards. It is based upon

International technology. It is the only instrument in the Rubber Industry which helps to check you level on international level. Dispersion Analyser can help to maintain your carbon mixing in your rubber compound.

We have made the machine more qualitative by providing following facilities:-

1. You will get Graph in color printout.
2. We have provision of repeatability i.e. you can see the nature of compound on the Six Times, so that quality of Rubber Compound is checked properly.
3. Capturing starts automatically after clicking on Capture Button.
4. All the reports of Rubber Compound can be obtained on the single page, so that comparison can be made at a glance.
5. We have provision of Quality gates to keep the quality control.



Software Features :-

HITECH STATISTICAL QUALITY CONTROL all Machines

3 quality control gates (3 QC Gates) User can **define Master graph**

Choices of selecting any parameter as **pass fail criteria**

Extensive statistical analytical parameters such as **CP, Cpk, Cofi.**

of Variation, MI, MH, ML, T.MIN, T.MAX, TS2, TS1, TC50, TC90,

TP, Opt. Cure Rate, End Temp., Trend, Reversion Time, Value (Bar Graph).

User can **add own comments** for future references for each stock

A graphical report can also be seen on screen while testing to compare the specimen

Master graph facilities of single parameter result to study.

The statistical analysis can also help in **setting Quality control parameters of stock**

Printing Options :-

The report can be printed **with graph or without graph or both**

The report can be sent to printer.

The report can be **email**

The report can be **saved for further analysis**

The report can be **faxed**

Spare Parts: -

* Spare are also available all companie's machine (Ready in Stock)

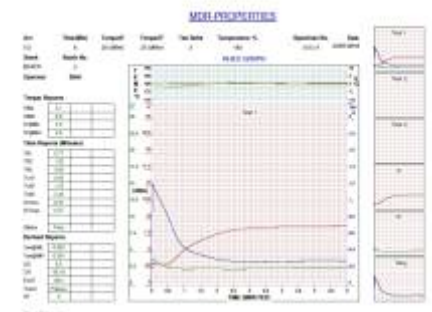
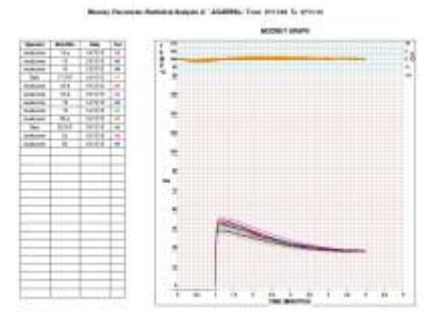
Services:-

* Up gradation of old machines all company's (Rheometer, Mooney Viscometer)

* Service provide of all type old and new machines (AMC & Visit Basis)

* Buy-back option (taking old machine and giving new after evaluation)

All Machines are available with latest software & compatible with all Windows



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