



Autotest Rheo-Line Moving Die Rheometer

For the modern rubber factory the efficient use of manpower is becoming increasingly important, for this reason Prescott Instruments have developed a new version of their Autoloading Rheometer called the Autotest.



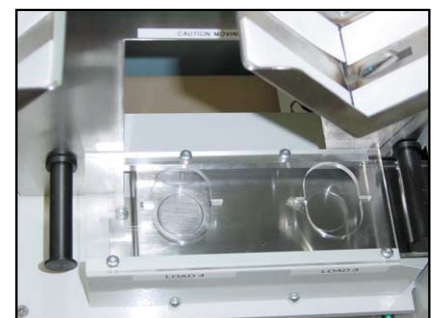
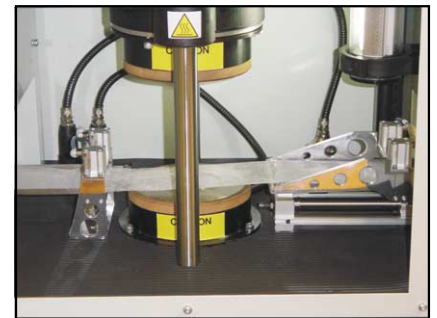
This cost effective instrument uses Prescott Instruments' patented belt system to convey the rubber samples into the test chamber and then remove them once the test has been carried out.

The operator has the simple task of placing the sample in one of the clearly defined loading slots and with one keystroke on the PC the test is performed, the data calculated and the results automatically graded as a pass or fail.

The use of the patented belt system ensures that the material under test remains in contact with the dies and reduces slippage.

The advantages of the Autotest Rheo Line MDR are clear:

- Up to 4 samples queued ready for testing
- Laboratory personnel freed to perform other tasks
- Automatic Pass/Fail of test result
- System can be networked to send data automatically to Eclipse or other software packages



Comes complete with PC, Software and Printer.

TECHNICAL SPECIFICATIONS

Design Spec.	ISO No. 6502 / ASTM D5289
Sample Capacity	4
Electrical	Single Phase 220/240V 50HZ, 110v 60HZ.
Pneumatics	Filtered air, 4.2 Kg/cm, (60 Psi)
Die Configuration	Sealed
Oscillation Frequency	1.67 HZ.
Oscillation Amplitude	0.5, 1.0, 3.0 degrees. (0.5 Standard, 1 and 3 Optional)
Temperature Control	Digital PID.
Temperature Range	35 to 250 degrees C.
Units of Measurement	Torque In lb, dNm. Temp. Celsius, Fahrenheit. Pressure Lb/sqin., Kg/sqcm. (Optional) Time Min /Sec, Min/Decimal, Seconds
Output Type	Real time display of:- Elastic Modulus. Viscous Modulus. Tangent Delta. Cure Rate. Pressure in cavity (Optional).
Data Format	All data stored in Access database with full export functionality
PC Specification	Pentium Processor, networkable.
These options are available:	Programmable temperature zones Additional oscillation eccentric Pressure transducer. Volumetric sample cutter



It is essential that samples are prepared with an automatic volumetric cutter which is available from Prescott Instruments Ltd. Please see our brochure for full specification.

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