Rheoline MDR Auto-Test

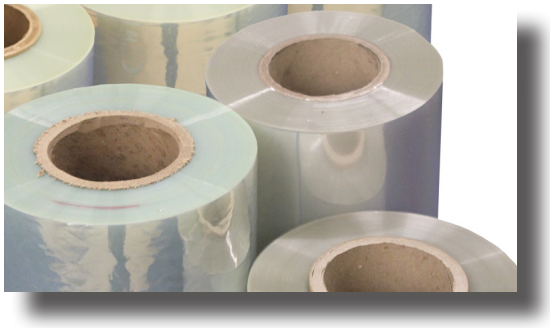
The **Rheoline Moving Die Rheometer Auto-Test** is a cost effective choice in any laboratory suite, increasing laboratory productivity, by functioning in a semi-automatic sample loading mode. The operator has the simple task of loading samples into the Auto-Test designated loading slots. The maximum number of samples loaded at one time is four, with the option to load an additional sample after each test.

Our unique patented belt tackles the issue of current automated systems which is slippage between the sample and the measuring transducer, which can lead to a reduction in accuracy and reproducibility. This technology ensures automation, without sacrificing the test performance.

The applicable curemeters are combined with a version of Labline analytical software that performs the test with a keystroke; the data is calculated in real-time, displaying live data traces on screen. After the test is complete the sample is removed from the test chamber and conveyed along the fabric belt, with the results automatically graded as pass or fail.

The MDR Auto-Test comes complete with:

- One sample tray
- Each sample tray contains 4 sample slots
- Flexible Labline Acquisition Software



Rheoline Moving Die Rheometer Auto-Test

Technical Specification:

Standards	ISO No. 6502 / ASTM D5289
Sample Capacity	4
Die Configuration	Sealed 4.5cm³
Oscillation Frequency	1.67 Hz
Oscillation Amplitude	0.5, 1.0, 3.0 degrees. (0.5 Standard, 1, 3, optional)
Temperature Range	Ambient to 250 °C
Temperature Control	3 term PID, control accuracy +/- 0.03 °C
Units of Measurement	Torque Inlb, dNm. Temp. Celsius, Fahrenheit. Pressure Lb/sqin., Kg/sqcm. (Optional) Time Min/Sec, Min/Decimal, Seconds.
Output Type	Real time display of: - Elastic torque - Viscous torque - 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
Electrical	Single Phase 220/240V 50Hz or 110V 60Hz
Pneumatics	Filtered Air; 4.2 Kg/cm, (60 Psi)
Optional Extras	Programmable Temperature Zones Additional Oscillation Eccentric Pressure Transducer Rheoline Volumetric Sample Cutter

Quality sample preparation

It is strongly recommended that your samples are prepared with our **Rheoline Volumetric Sample Cutter** which is available from Prescott Instruments Ltd. Please see our brochure for more information.

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NOTICE:

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