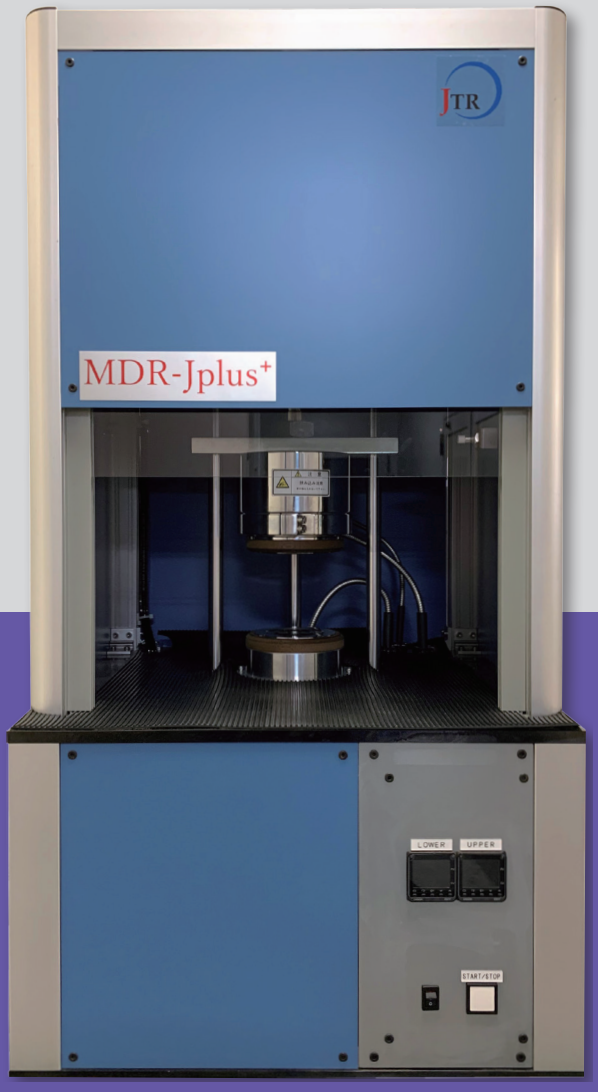
Japan Quality JTR

Moving Die Rheometer

MDR-Jplus+

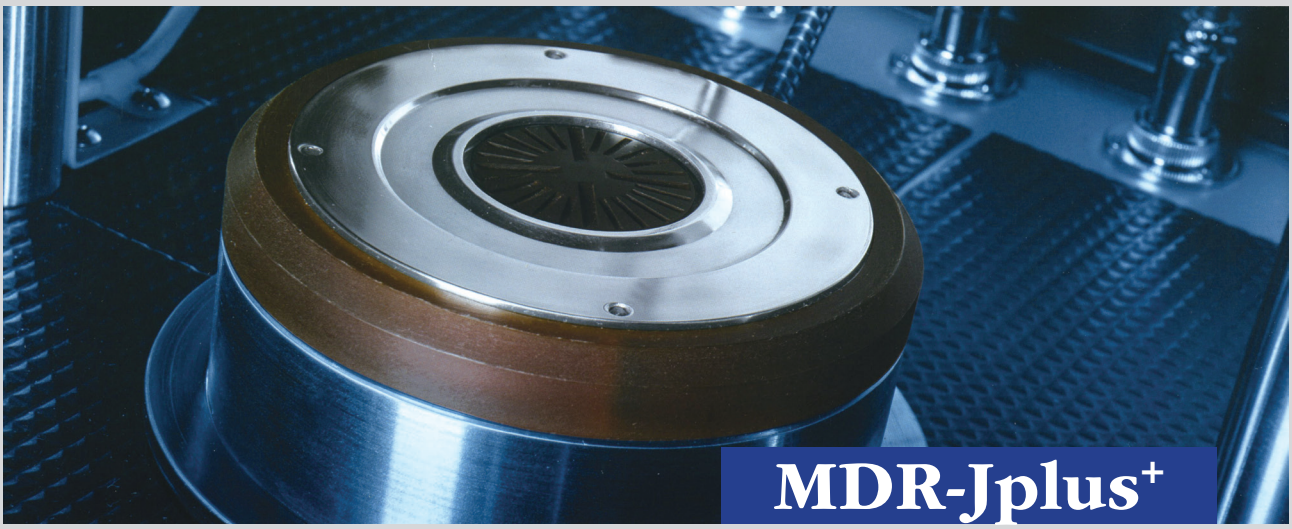


Moving Die Rheometer「MDR-Jplus+」has been developed to meet the needs of a modern testing Laboratory, providing fast and accurate data making it ideally suited to the production and development of elastometric compound.

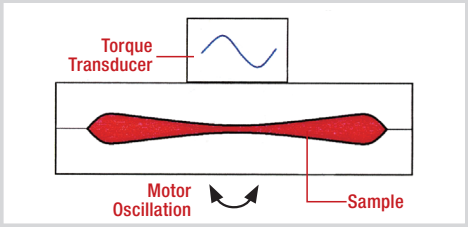
Made in Japan

Moving Die Rheometer MDR-Jplus+

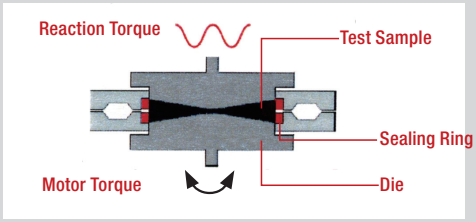
MDR-Jplus+ employs sealed biconical dies meeting all relevant ISO, ASTM, DIN, and JIS standards.



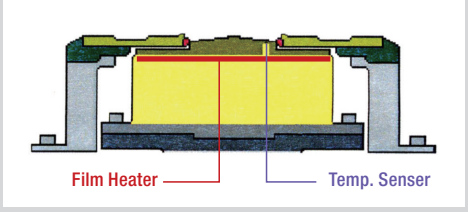
MDR-Jplus+ is a reliable, accurate, and easy-to-operate rotor-less curemeter perfect for routine and standards-driven testing of rubber curing.



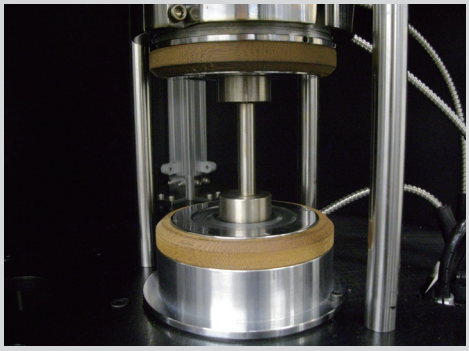
- Pneumatic locking cylinder for repeatable sample sealing.
- The lower die oscillates at 1.67 Hz at an amplitude of 0.5 degrees while the upper die remains fixed and accurately measures the reaction torque.



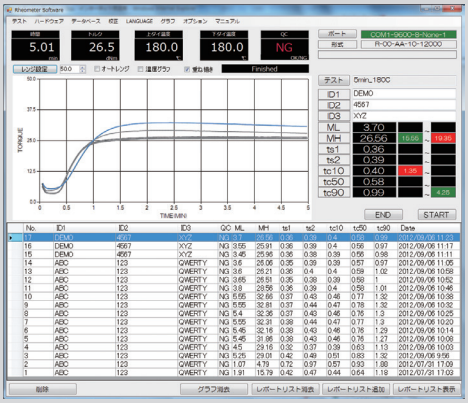
- Robust, field proven torque transducer for high stability and reliable torque measurements.
- The rotor-less biconical die assembly with an internal cavity capacity of only 2.8 cm^3 applies quick and accurate temperature control to provide precise repeatable data in wide range of testing environments.

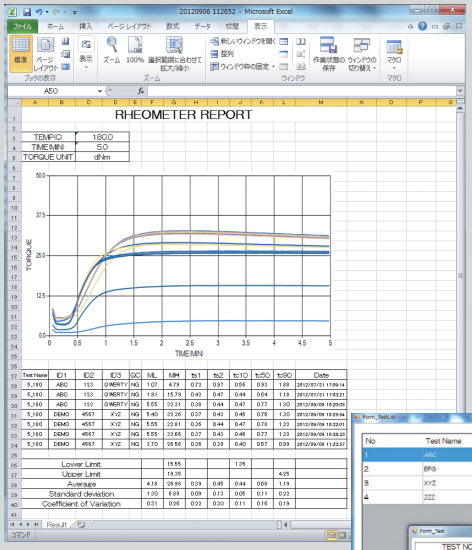


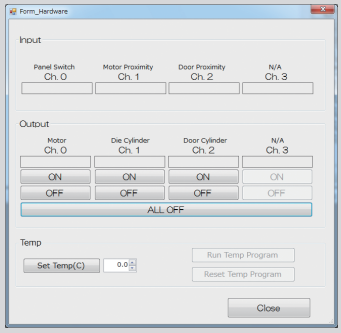
- The dynamic calibration is semi-automatic calibration using the torque standard unit and following the CAL program steps.
- The dynamic CAL method is conducted under the same oscillation frequency and amplitude as the sample measurement.

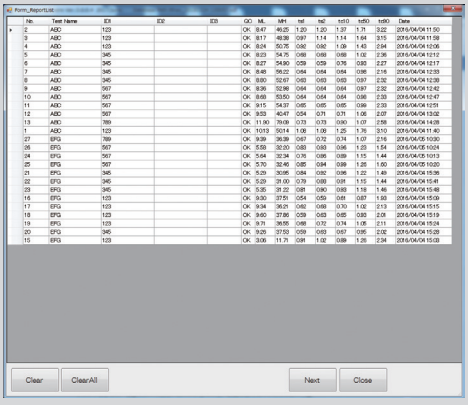


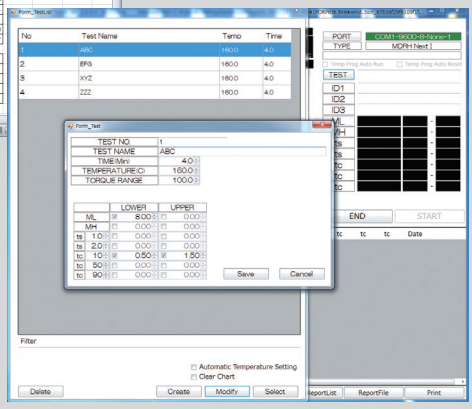
Software











Maintenance

- The electrical and air valve control is a built-in system.
  The built-in system offers ease of maintenance for MDR-Jplus+ in the field.
- General purpose parts are mainly employed so that maintenance parts can be obtained locally.

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SPECIFICATION

International Standards	ISO 6502, ASTM D 5289,DIN 53529 JIS K 6300
Electrical	Single Phase 110/220 V, 50/60 Hz
Pneumatics	Filtered air 0.4 Mpa
Die Configuration	Biconical, closed die system, sealed
Sample Volume	3 to 5 cm^3
Torque Range	200 dNm
Oscillation Frequency	1.67 Hz
Oscillation Amplitude	0.5, 1.0 degrees. (1.0 Optional)
Temperature Range	Ambient temp + 10 to 230℃
Temperature Control	Digital P.I.D.
Measurement Data	Torque, Temperature
Data Calculation	Minimum, Maximum, Scorch Points, Percent Cure Points
Dimensions	56(w) x 58(D) x 110(H) cm
Weight	150 kg
Country of Origin	Made in Japan

JTR

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MACHINERY DEPT.

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