MDR 2000™

Moving Die Rheometer

The MDR 2000™ Moving Die Rheometer is a curemeter designed to test mixed rubber. Capable of measuring rubber compound cure under isothermal test conditions with constant strain and frequency.

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MDR 2000™

Moving Die Rheometer

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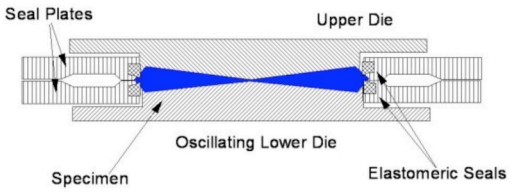
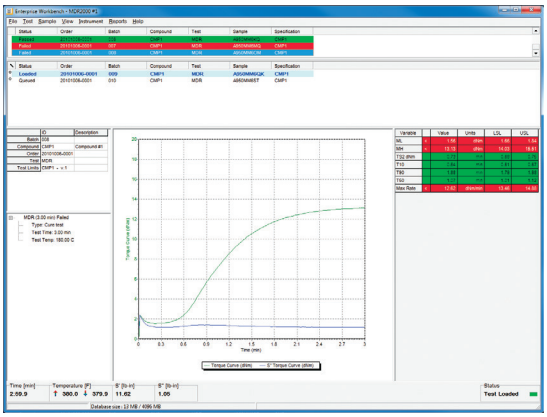
Testing Features

- Sealed bi-conical dies
- Low friction reaction torque measurement
- Superior temperature stability and control
- Repeatable and reproducible data
- Measures dynamic properties



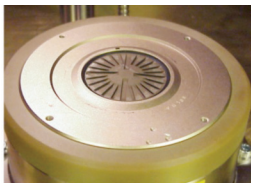
Performance

- Measure cure under nearly true isothermal conditions
- Excellent test sensitivity to mixing errors
- Limited operator influence
- Suitable for quality control or research and development
- Enterprise Software
- Constant Volume Sample Cutter



Options

- Pressure Transducer
- Low Viscosity torque transducer
- High Temperature for testing to 230°C
- Automation (10 or 100 samples)
- PMDR2000™ model with production cabinet and 5-sample queuing
- Long Life Seals
- Enterprise Software
- Constant Volume Sample Cutter



Specifications

Testing Standards:	ASTM D5289 and ISO 6502
Temperature:	Ambient to 200°C (392°F), Optional 230°C (446°F)
Frequency:	1.667 Hz (100 CPM)
Strain:	0.2°, 0.5° (Standard), 1.0° or 3.0° (2.8%, 7%, 14% or 42%)
Pressure:	0 to 8000 kPa (1160 psi)

Air Pressure:	60 psi (4.2 kg/cm2, 414kPa) minimum
Electrical:	100/110/130 VAC±10%, 60Hz ±3, 10-amp single phase 200/220/240/260 VAC ±10%, 50 Hz ±3, 5-amp single phase
Dimensions:	Width: 68cm (27 in), Height: 132 cm (52 in), Depth: 76 cm (30 in)
Weight: Net:	177 kg (389 lb), Gross 280 kg (616 lb)

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