

MV 2000™

The world standard for the Mooney viscometer

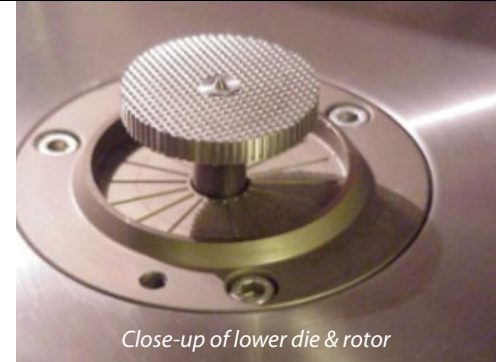
Features

- Low mass die system and digital temperature control provide superb temperature stability and control.
- Repeatable and reproducible data.
- Does not require a PC or printer to run tests.
- Strain gauge torque measurement.
- Meets ASTM D1646.
- Viscosity, scorch and stress relaxation tests (with optional software).

Specifications

ROTATIONAL SPEED:	2 rpm
TEMPERATURE RANGE:	RT to 200°C
DATA POINTS WITHOUT OPTIONAL SOFTWARE:	Mooney viscosity, minimum viscosity, scorch times (t5, t35) or (t3, t18)
STRESS RELAXATION DATA WITH SOFTWARE:	Log-log slope and intercept
PRINTER OUTPUTS:	Data points and/or graphical data versus time (Mooney units, temperature)
INSTRUMENT LANGUAGES:	English, French, German, Spanish, Dutch, Swedish, and Italian
ELECTRICAL:	<ul style="list-style-type: none">• 100/110/120/130 VAC ±10%, 60 ±3 Hz, 10-amp single phase• 200/220/240/260 VAC ±10%, 50 ±3 Hz, 5-amp single phase
AIR PRESSURE:	60 psi (4.2 kg/cm ² 414 kPa) Minimum
DIMENSIONS:	Width 68 cm (27 in), height 132 cm (52 in), depth 76 cm (30 in)
WEIGHT:	Net 177 kg (389 lb), gross 280 kg (616 lb)

MV2000 with optional computer



Close-up of lower die & rotor

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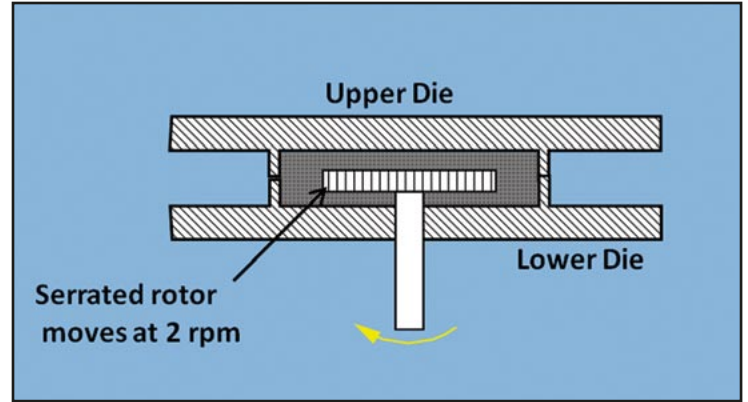
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Performance

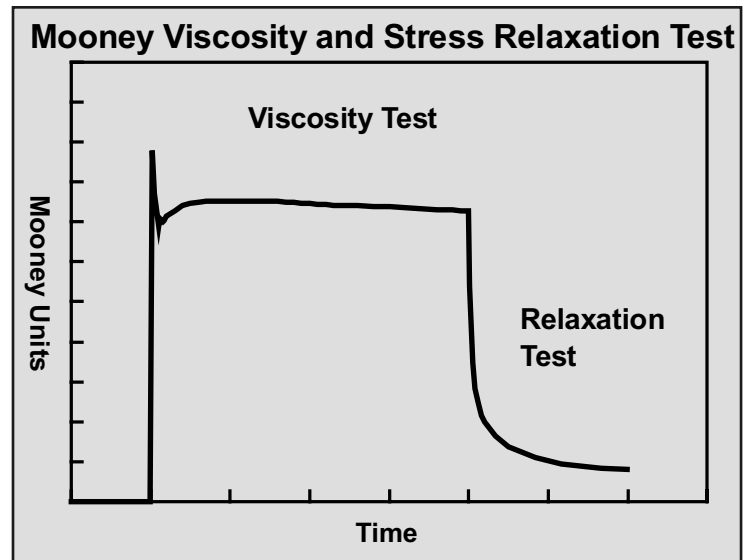
- Measure viscosity or scorch.
- Excellent repeatability and reproducibility.
- Limited operator influence.
- Suitable for quality control or research and development.

Options

- Small rotor for high-viscosity samples.
- Enterprise or Eclipse software systems for handling historical data.
- Sample cutter Model 2000M for rubber.
- Long-life seal kit.



Die configuration of MV 2000



Typical viscosity test with stress relaxation