

# MV 2000vs™

The world standard for the Mooney viscometer with variable speed

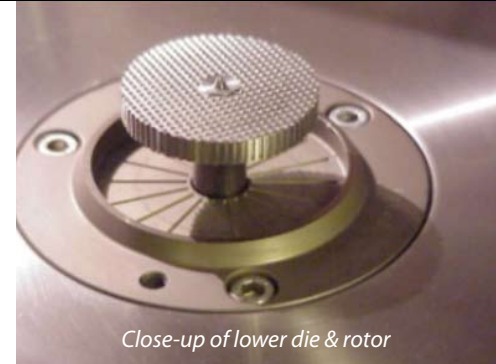
## Features

- Rotor speeds from 0.1 to 15 rpm in clockwise or counter-clockwise directions.
- 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).
- Designed for ease of maintenance.
- Automatic dead weight calibration.

## Specifications

<b>ROTATIONAL SPEED:</b>	0.1 to 15 rpm including standard 2 rpm speed
<b>TEMPERATURE RANGE:</b>	RT to 200°C
<b>DATA POINTS WITHOUT OPTIONAL SOFTWARE:</b>	Mooney viscosity, minimum viscosity, scorch times (t5, t35) or (t3, t18)
<b>STRESS RELAXATION DATA WITH SOFTWARE:</b>	Log-log slope and intercept
<b>PRINTER OUTPUTS:</b>	Data points and/or graphical data versus time (Mooney units, temperature)
<b>INSTRUMENT LANGUAGES:</b>	English, French, German, Spanish, Dutch, Swedish, and Italian
<b>ELECTRICAL:</b>	<ul style="list-style-type: none"><li>• 100/110/120/130 VAC ±10%, 60 ±3 Hz, 10-amp single phase</li><li>• 200/220/240/260 VAC ±10%, 50 ±3 Hz, 5-amp single phase</li></ul>
<b>AIR PRESSURE:</b>	60 psi (4.2 kg/cm <sup>2</sup> 414 kPa) Minimum
<b>DIMENSIONS:</b>	Width 68 cm (27 in), height 132 cm (52 in), depth 76 cm (30 in)
<b>WEIGHT:</b>	Net 177 kg (389 lb), gross 280 kg (616 lb)

MV 2000vs with computer



Close-up of lower die & rotor

[www.alpha-technologies.com](http://www.alpha-technologies.com)

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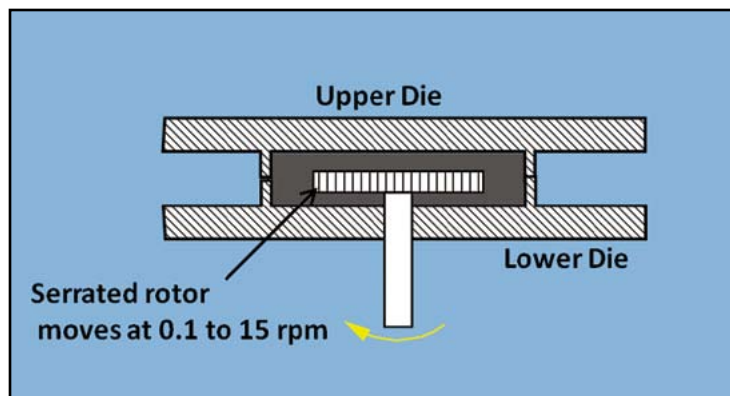
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## Performance

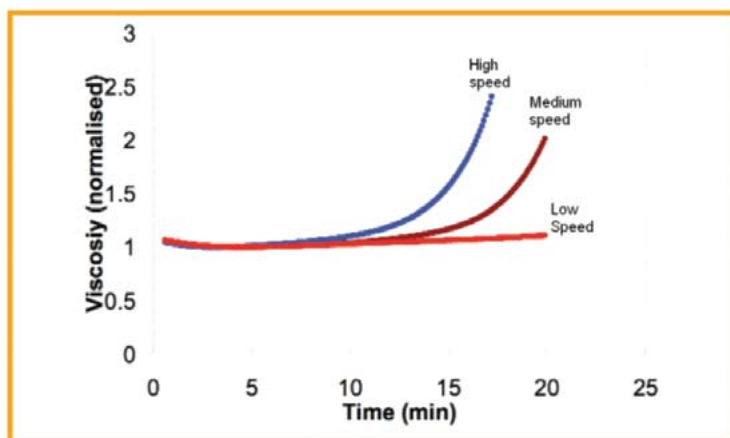
- Measure viscosity or scorch as a function of temperature and/or rotor speed.
- Excellent repeatability and reproducibility.
- Limited operator influence.
- Suitable for quality control or research and development.

## 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 2000vs



Normalized viscosity data during scorch tests at constant temperature and different rotor speeds