

# MDR 2000P™

The world standard for a rotorless curemeter to test rubber compounds with blowing agents



## Features

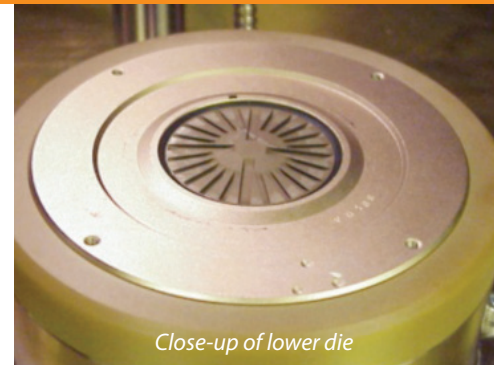
- n Measures rubber cure and pressure increase produced by blowing agents in rubber compounds.
- n Sealed biconical dies.
- n Low friction reaction torque measurement.
- n Superb temperature stability and control.
- n Repeatable and reproducible data.
- n Meets ASTM D5289 and ISO 6502.
- n Measures dynamic properties.

## Specifications

OSCILLATION FREQUENCY:	100 cpm (1.67 Hz)
TEMPERATURE RANGE:	RT to 200°C
PRESSURE RANGE:	0 to 8000 kPa (1160 psi)
DATA POINTS WITH OPTIONAL SOFTWARE:	ASTM cure data points, minimum pressure, maximum pressure, rate of pressure change and more
INSTRUMENT LANGUAGES:	English, French, German, Spanish, Dutch, Swedish, and Italian
ELECTRICAL:	<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>
AIR PRESSURE:	60 psi (4.2 kg/cm <sup>2</sup> 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)



MDR 2000P



Close-up of lower die

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

### Alpha Technologies

3030 Gilchrist Road, Akron, OH 44305  
+1 330 745 1641

### Alpha Technologies UK

Pfaffenstr.21, 74078 Heilbronn, Germany  
+49 7131 297 170

### Alpha Technologies Japan

NSK Building, 2-27-3 Taito, Taito-ku, Tokyo, Japan 110-0016  
+81 3 3834 3451

# MDR 2000P™

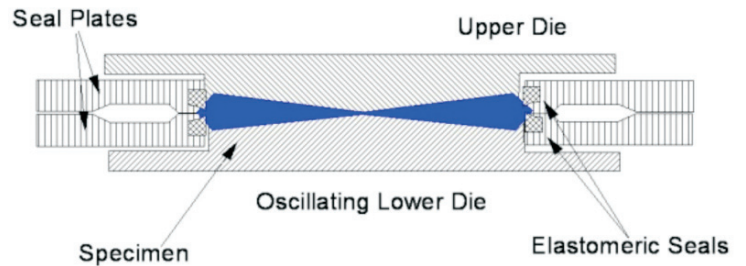
The world standard for a rotorless curemeter to test rubber compounds with blowing agents

## Performance

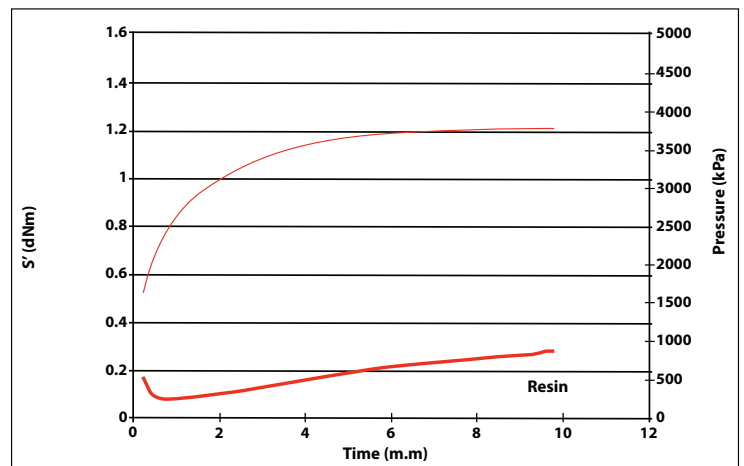
- n Measure cure and/or blow under nearly true isothermal conditions.
- n Excellent test sensitivity to mixing errors.
- n Limited operator influence.
- n Suitable for quality control or research and development.

## Options

- n Strain angles: 0.2, 0.5, 1.0 and 3.0 degrees (2.8%, 7%, 14% and 42%).
- n Enterprise or Eclipse software systems for handling historical cure and pressure data.
- n Sample cutter Model 2000R for rubber.
- n Films to handle easy or difficult samples.



Die configuration of MDR 2000P



Simultaneous display of rubber sponge cure and blow