

# PREMIER™ MV

Mooney Viscometer

Designed to test raw elastomers or mixed rubber, the Premier™ MV measures viscosity, scorch, and stress relaxation. With an all-new compact design, the Premier™ MV features multi-zone stress relaxation data analysis as well as up to a 45% reduction in die cooling time in comparison to the previous models. These updates, along with the new user interface, keep Premier™ MV at the forefront of viscometers on the market today.

## Features

- Standard variable speed digital motor
- Multi-zone stress relation data analysis
- Automatic dead weight calibration
- Rotor detection feature prevents rotor damage
- Small and large rotors included
- Compact design with integrated storage drawer

## Performance

- *Dynamic Symmetry™* - a system that ensures dies remain parallel to reduce variation
- *Smart Alignment™* - a system that ensures excellent die cavity sealing for better repeatability
- Low mass dies and proprietary digital temperature control provide superb temperature stability
- Excellent repeatable and reproducible data

## Options

- Sample prep
- Long life rotor seals
- Multiple languages
- Wide assortment of films

# PREMIER™ MV

## Specifications

|                    |  |                    |  |
|--------------------|--|--------------------|--|
| Temperature Range: | Ambient to 392°F (200°C)   | Testing Standards: | Meets ASTM D1646 and D3346   |
| Rotation:          | 0.01 to 20 RPM   | Air Pressure:      | 60 psi (414Kpa, 4.2 kg/cm <sup>2</sup> ) minimum                       |
| Electrical:        | 100/110/120/130 VAC ± 10%, 50/60 ±3 Hz, 10 amp single phase. 200/220/240/260 VAC ± 10%, 50/60 ±3 Hz, 5 amp single phase. | Dimensions:        | Width: 22 in (56 cm)<br>Height: 48 in (122 cm)<br>Depth: 26 in (66 cm) |
| LCD Screen:        | 6.1 in x 3.3 in (155 mm x 85 mm), Resolution 800 x 480   | Weight:            | Net 350 lbs (159 kg)   |

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