Prescott instruments

BUILT TO LAST

Rheoline Moving Die Rheometer

A Trusted Name in Material Testing

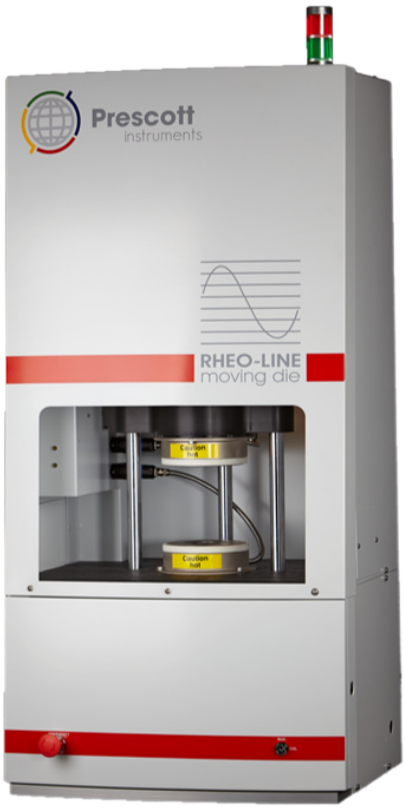
- Prescott Instruments is a **U.K. company** with **over 30 years' experience in material testing.**
- We manufacture all instruments **onsite in the U.K. under ISO 9001** and our in-house laboratory team perform all **instrument calibrations under ISO 17025.**
- Our **Moving Die Rheometer** stands out as Prescott Instruments' **top-selling product** and consistently remains a **leading choice** for rubber testing professionals.
- Its **precision, reliability and durability** make it an indispensable instrument for laboratory personnel worldwide.

Built to Last

- **Durability:** The high-stiffness steel frame is **robust enough to withstand the demands** of a busy production environment with the high precision performance to match.
- **Reliability:** Expertly-crafted construction provides **stability and reliability** even when testing the hardest of materials.
- **Unique:** Our bespoke **high-end electronics** ensure the highest data sampling rates available.

Repeatability and Connectivity

- **Quality and consistency** is assured, with all our instruments certified in accordance with **international standards.**
- Get fast, accurate, **repeatable data** with an extensive range of testing environments.
- **Simplicity of design** means you can replace components **easily and affordably.**
- With decades of proven reliability and durability, our MDR promises you **longevity of service** and availability of **spare parts for the lifetime of your instrument**, including heritage instruments.
- Our flexible Labline software has an **unlimited number** of data points and tests available to perform and can **seamlessly connect to other third party LIMS software (subject to licence agreements).**
- Our in-house software development team are **on hand 24/7** to assist you with any queries you may have.



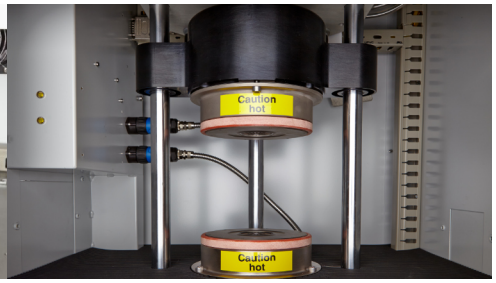
Rheoline Moving Die Rheometer

Technical Specification

Standards	ISO No. 6502 / ASTM D5289
Die Configuration	Rotor-less, Biconical, Sealed System
Oscillation Frequency	1.67 Hz
Oscillation Amplitude	0.5 ° (Std.), 1.0 °, 3.0 °
Temperature Range	Ambient to 250 °C
Temperature Control	3 term PID, control accuracy +/- 0.03 °C
Torque Range	0.001 to 250 dNm
Electrical	Single Phase 220/240V 50Hz | 110V 60Hz |350 VA
Pneumatics	Filtered Air, Min: 0.41 Mpa | 60 psi | 4.14 Bar| 4.2 kg/cm
Weight	200 kg
Dimensions	575 mm x 570 mm x 1280 mm (W x D x H)
Optional Extras	Programmable Temperature Zones Additional Oscillation Eccentric Pressure Transducer Automation Module (4/16/32 samples) Rheoline Volumetric Sample Cutter

Test Points

Minimum (ML)	Maximum (MH)
IniÎ al	Final
Scorch (TS)	Cure Percentage
Minimum (True)	Maximum (True)
Time Gate	Cure Gate
Reversion	Cure Rate
Cure Rate Time	Cure Rate Value
Delta Cure	Delta Cure Time
Max. Percentage	



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ACCREDITED

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