

Каталог оборудования Prescott Instruments

По вопросам продаж и поддержки обращайтесь:

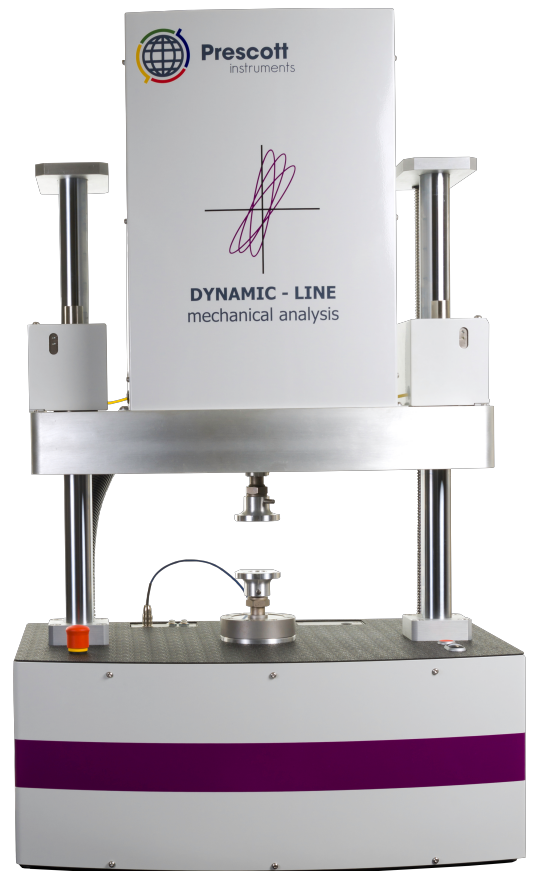
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Вологда (8172)26-41-59
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Ярославль (4852)69-52-93

Dynamic Mechanical Analyser DMA

- Powerful linear technology
- High dynamic performance, capable of up to 300 Hz
- Broad range of deformation modes and test methods
- Compatible with the new Labline software
- Configurable for numerous materials
- Optional temperature-controlled environment test cabinet
- Flexibility to use a range of clamps for testing
- Long term durability supporting a high volume of tests
- Emergency stop button safety feature
- Designed for ease of access
- Customisable test space dimensions
- Simple installation
- Virtually maintenance free
- Stand-alone unit

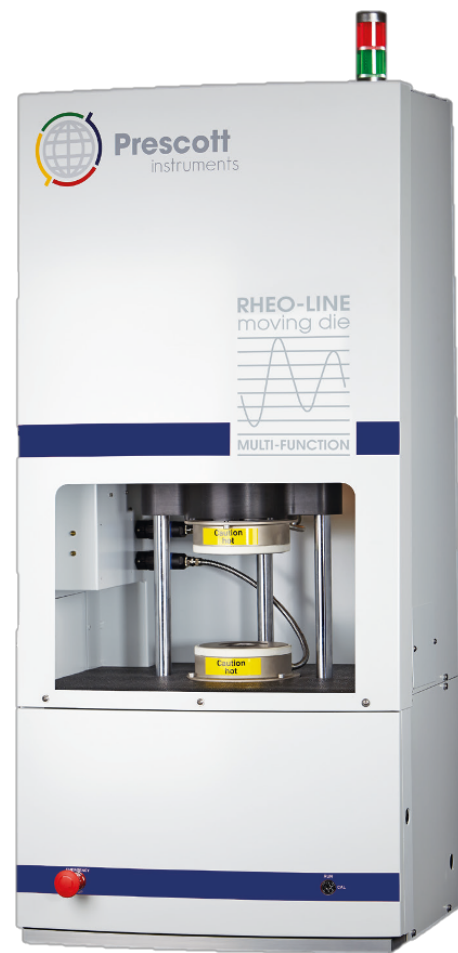


Maximum Static Force	3.4 kN
Maximum Dynamic Force	10 kN
Frequency Range	0.001 Hz to 300 Hz
Maximum Stroke Length	50.8 mm (customisable)
Displacement Resolution	0.001 mm
Test space size (W x D x H)	500 x 550 x 300 mm (customisable)
Electrical	Three Phase 15 Amp
Dimensions	800 mm x 550 mm x 1500 mm (W x D x H)
Weight	320 kg

Multi-Function Rheometers MFR

Modes of Operation:

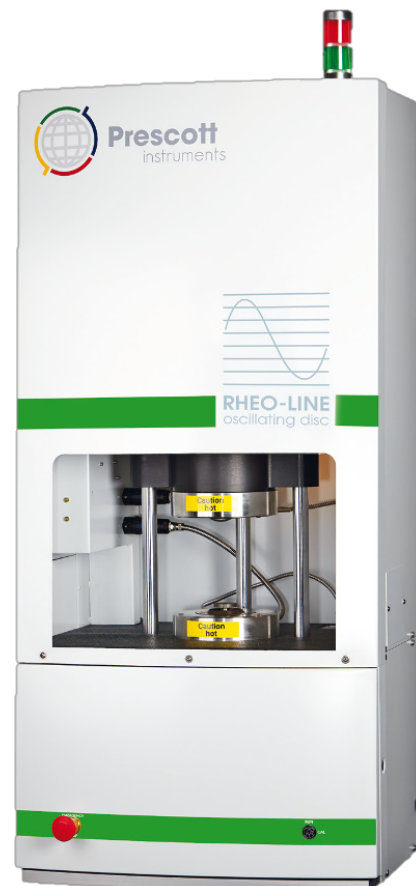
- Frequency Sweep
- Temperature Sweep
- Strain Sweep
- Standard MDR Mode
- Conditioning
- Combination (Linked) Tests



Oscillating Disc Rheometer ODR

Modes of Operation:

- Standard torque curve
- Viscous curve
- Tan. Delta
- Cure Rate
- Pass/Fail limits



Rheoline Moving Die Rheometer

Our standard MDR has been designed to carry out, tried and proven test specifications in accordance with international standards. Providing fast, accurate data and meeting the requirements of a modern testing laboratory. Suited for both the production environment and for use in the development of elastomeric compounds

Software:

Labline

Test Points:

(Unlimited for each test)

Standards:

ISO No. 6502 / ASTM

D5289

Temperature Range:

Ambient to 250 °C

± 0.03 °C

Oscillation Frequency:

1.67 Hz

Oscillation Angle:

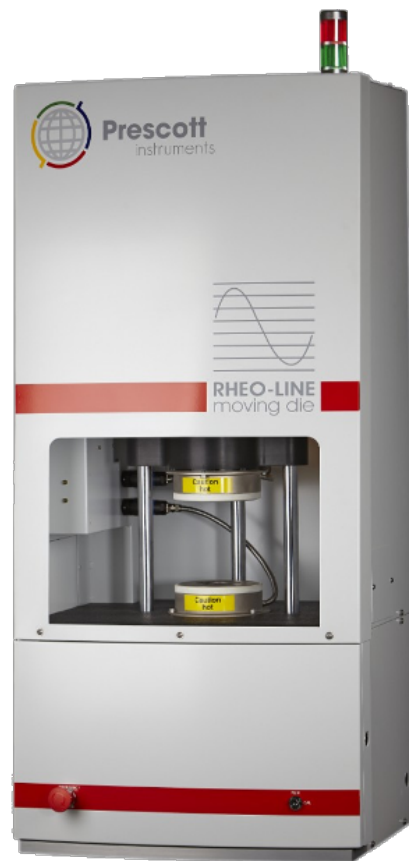
0.5 °, 1.0 ° and 3.0 °

Temperature Zone

Module: Optional

Pressure Module:

Optional



Rheoline Mini Moving Die Rheometer Lite

The Rheoline Mini MDR Lite is a compact and lightweight take on our existing Rheoline MDR, complete with an identical sealed die configuration, delivering accurate and reliable results fast, as well as optimising space and instrument footprint.

Ideal for small to medium rubber testing laboratories.

Software - Labline Lite

Test Points - (Max. 10 per a test)

Standards:

ISO No. 6502 / ASTM
D5289

Temperature Range:

Ambient to 250 °C
 ± 0.03 °C

Oscillation Frequency: 1.67

Hz

Oscillation Angle:

0.5 °, 1.0 ° and 3.0 °

Temperature Zone Module

Optional

Pressure Module

Optional



Rheoline Mini Moving Die Rheometer Lite Viscometer

Standards:	ISO No. 289 / ASTM D1646
Die Configuration:	Standard
Rotor:	Large or Small
Rotation Speed:	2 RPM (0.21 Radians/Sec)
Calibration:	Integral
Temperature Range:	Ambient to 225 °C
Temperature Control:	3 Term PID – Control Accuracy ± 0.03 °C
Pneumatics:	Filtered Air, Min: 0.41 MPa 60 psi 4.14 Bar 4.2 kg/cm
Electrical:	Single Phase 220/240 V 50 Hz 110 V 60 Hz 350 VA
Weight:	65 kg
Dimensions:	300 mm x 300 mm x 870 mm (W x D x H)



Mooneyline MV Variable Speed Viscometer

Standards:	ISO No. 289 / ASTM D1646
Die Configuration:	Standard
Rotor:	Large or Small
Rotation Speed:	Varied 0.1 to 20 RPM
Calibration:	Fully Automatic
Temperature Range:	Ambient to 225 °C
Temperature Control:	3 Term PID – Control Accuracy ± 0.03 °C
Pneumatics:	Filtered Air, Min: 0.41 MPa 60 psi 4.14 Bar 4.2 kg/cm
Electrical:	Single Phase 220/240 V 50 Hz 110 V 60 Hz 350 VA
Weight:	205 kg
Dimensions:	575 mm x 570 mm x 1280 mm (W x D x H)



Mooneyline MV Viscometer

Standards:	ISO No. 289 / ASTM D1646
Die Configuration:	Standard
Rotor:	Large or Small
Rotation Speed:	2 RPM (0.21 Radians/Sec)
Calibration:	Fully Automatic
Temperature Range:	Ambient to 225 °C
Temperature Control:	3 Term PID – Control Accuracy ± 0.03 °C
Pneumatics:	Filtered Air, Min: 0.41 MPa 60 psi 4.14 Bar 4.2 kg/cm
Electrical:	Single Phase 220/240V 50Hz 110V 60Hz 350 VA
Weight:	200 kg
Dimensions:	575 mm x 570 mm x 1280 mm (W x D x H)



Mooneyline Volumetric Sample Cutter

Standards:	In accordance with BS EN242: Part 2
Sample Volume:	14.3 cm ³ (Nominal)
Nominal Sample Diameter:	22.5 mm
Nominal Sample Thickness @ 4.5 cm ³ :	9.0 mm
Repeatability:	0.25 %
Delay between Squeeze and Cut (adjustable):	1 sec to 10 sec
Pneumatics:	Filtered Air, Min: 0.5 MPa 72 psi 5 Bar 5.09 kg/cm ²
Weight:	38 kg
Dimensions:	300 mm x 300 mm x 800 mm (W x D x H)

Rheoline Volumetric Sample Cutter

Standards:	In accordance with BS EN242: Part 2
Sample Volume (adjustable):	1 cm ³ to 8 cm ³ (normally 4.5 cm ³)
Nominal Sample Diameter:	34 mm
Nominal Sample Thickness @ 4.5 cm ³ :	5.0 mm
Repeatability:	0.25 %
Delay between Squeeze and Cut (adjustable):	1 sec to 10 sec
Pneumatics:	Filtered Air, Min: 0.5 MPa 72 psi 5 Bar 5.09 kg/cm ²
Weight:	38 kg
Dimensions:	300 mm x 300 mm x 800 mm (W x D x H)

The Prescott Instruments bale cutter

Standards:	BS EN242: Part 2, D7050
Roller Dimensions:	330 mm X 600 mm (W x L)
Cutting Rubber Width:	330 mm
Cutting Rubber Height:	140 mm
Stroke of Cutter:	150 mm
Total Pressure of Cylinder:	1.6 tons (air in 0.5 MPa) 2 tons (air in 0.7 MPa)
Pneumatics:	0.5 MPa to 0.7 MPa
Weight:	80 kg
Dimensions:	500 mm x 700 mm x 934 mm (W x D x H)

The Rheoline Auto-Test

- Up to 4 samples queued ready for testing
- Laboratory personnel free to perform other tasks
- Automatic Pass/Fail of test results

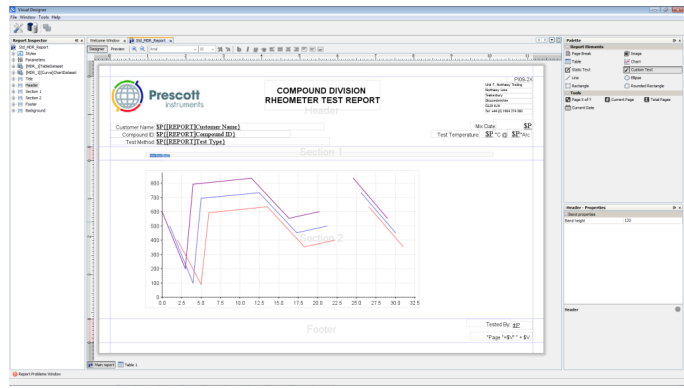
The Rheoline Auto-Load

- Up to 16 samples per a tray, queued ready for testing
- Laboratory personnel free to perform other tasks
- Automatic Pass/Fail of test results

FlexiReports software

Key Features

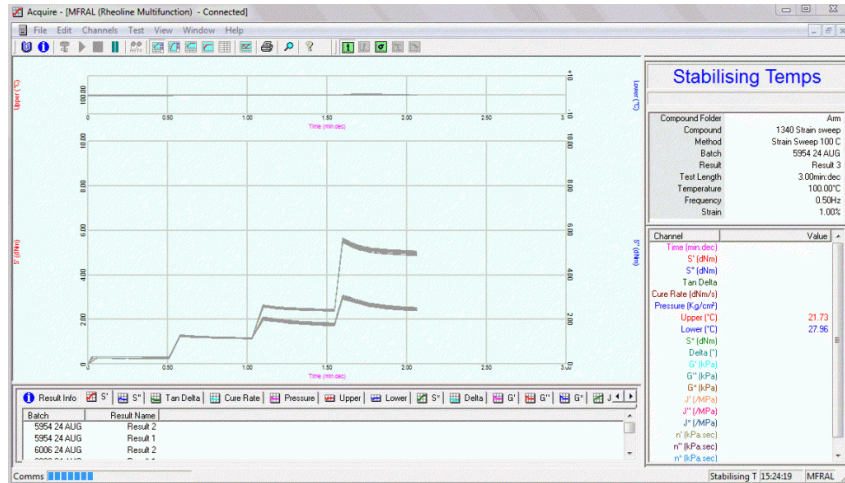
- Fully customisable layout design
- A wide range of drag-and-drop tools
- Report reusability
- Table Statistics and six sigma operations available
- Advanced test result filtering
- Data source grouping
- Report Exporting options
- Supports a wide range of instruments



Labline software

Key Features

- Automatic Pass/Fail Result
- Laboratory Statistics
- Simple Instrument & Test Configuration
- Pre-loaded Test Specifications
- Produce Trend charts
- Easy Result Recalculation
- Report Printing Capabilities
- Supports ODBC Database Connections
- Multilingual



Universal Instruments software

Key Features

- Unlimited instruments registrations
- Configure predetermined test points/definitions
- Automatic pass/fail result
- Calculable test points
- Manual entry of instrument data
- Tool for file monitoring tool & file data parsing
- Export data files (Supports a wide range of files types)
- Transcribe data into an ODBC database (SQL Server ® or DB2 ®)
- Integrated with the Labline database.
- Fully supported in FlexiReports

Name	Param1	Param2
Stress @ Peak	False	False
Strain @ Break	False	False
Modulus	True	False
Thickness	False	False
Width	False	False
Tear Strength	False	False

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