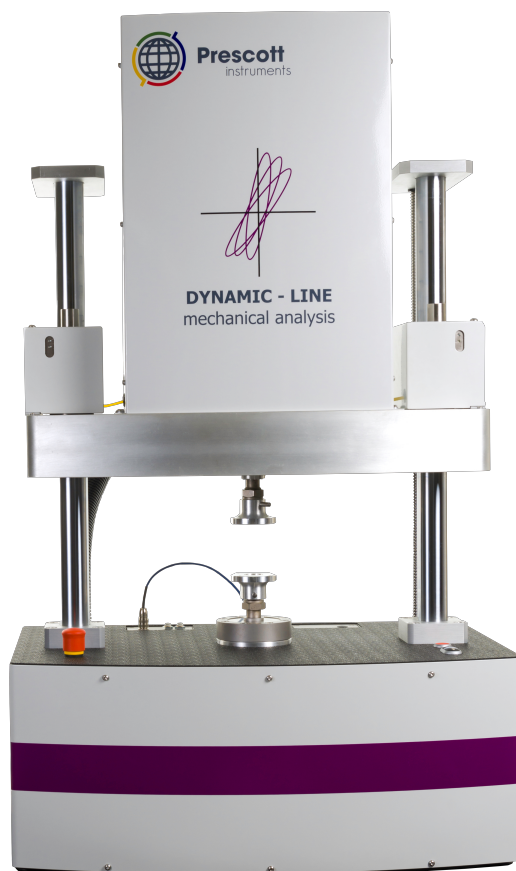


Технические характеристики на динамические механические анализаторы DMA Prescott Instruments



По вопросам продаж и поддержки обращайтесь:

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Prescott Instruments' Dynamic Mechanical Analyser is a versatile and high precision DMA designed for dynamic and static testing on a variety of materials with a full range of force. From an established global manufacturer in specialist laboratory equipment, this DMA has a unique and rigid design that is easy to operate and maintain, ensuring a reliable and safe testing operation for the user.

Using state-of-the-art linear motor technology, this DMA can efficiently produce over 3 kN of static force and 10 kN of dynamic force at a frequency of more than 300 Hz. With complete user flexibility, the DMA allows you to test a range of materials, components and systems, fixed in place by versatile high-performance clamping fixtures. Capable of performing a range of test methods in different deformation modes, the DMA delivers force control to the most precise accuracies available.

Our innovative and easy to use new Labline software enables the user to set up tests easily with minimal training required, giving test confidence and maximum productivity throughout. Labline software can be relied upon for precise results and a consistent testing process, with a wide range of test modes available.

Key Features

- 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

Test Capabilities

- Frequency sweep
- Strain sweep
- Static testing
- Characterise viscoelastic material properties
- Failure and fatigue testing
- Non-destructive testing
- Cycling between limits of force or displacement

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

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