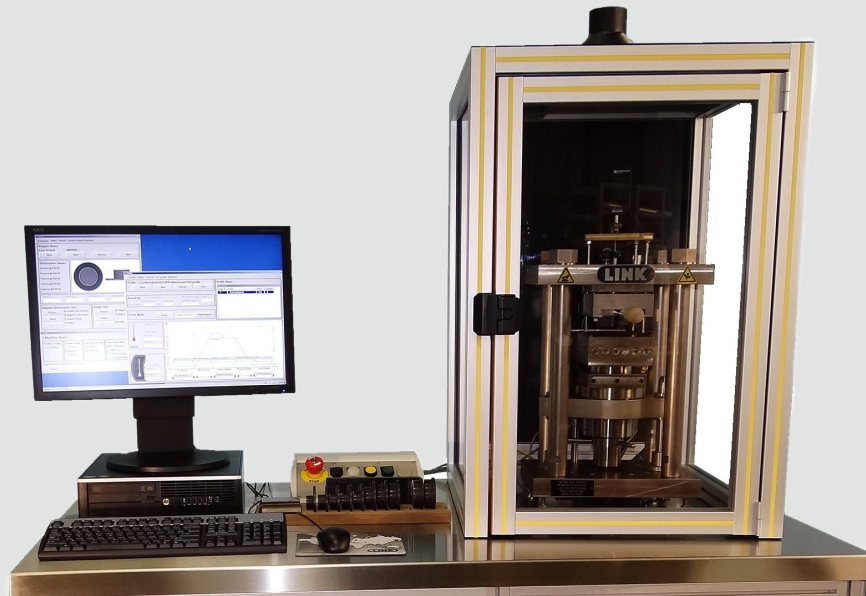




Model 1620

Compressibility Machine



Options

- Load capacity
- Custom adapters and piston simulators
- Quartz touch pins for the optic displacement measurement system
- Harsh environment control PC
- Various power supply options are available

Product Overview

The Model 1620 (Pneumatic) and Model 1620-H (Hydraulic) Compressibility Test Machines provide a complete workstation to evaluate the compressibility of friction materials at ambient and elevated temperatures up to 600 °C. It is manufactured in compliance with U.S. standards and features enhancements to conform to worldwide testing requirements. Typical materials tested on these machines include: disc brake linings, wet friction and transmission materials, noise insulators, and gaskets. This machine offers ease of operation combined with accurate and reproducible measurements, which makes it an ideal instrument for quality control, product development research, and other compliance applications.

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Model 1620

SPECIFICATIONS

Control Modes:	Force (kN); Brake System Pressure (bar); Pad Surface Area Pressure (MPa); Temperature (°C)
Cylinder Stroke Length	100 mm
Deflection Resolution	0.1 μ m
Low Preload Capability	30 N
Maximum Load Capacity	60,000 N
Maximum Load Error	+/- 0.05%
Rate of Travel	0 to 150 kN/sec
Temperature Range	Ambient through 600° C
Temperature Resolution	+/- 1° C

Key Features

- Hydraulic control and oil supply through air-cooled variable speed power unit (quiet operation)
- Titanium-cased hydrostatic alignment mechanism
- Lightweight loading block assembly
- High precision displacement sensor
- Stainless steel worktop
- Calibration fixture
- ProLINK software for control operation, data analysis and reporting
- Capability for Thermal Swell and Creep tests



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