



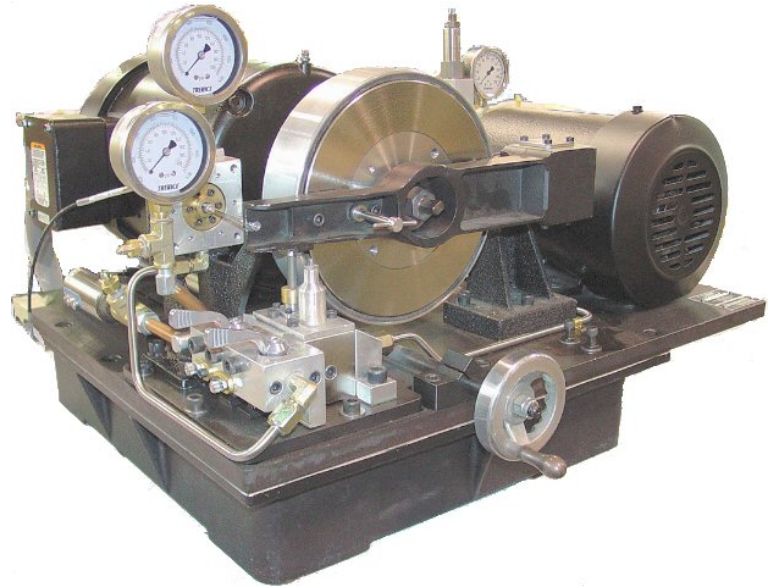
# Model 100 FAST Machine

## Friction Assessment & Screening Test Machine for Brake & Clutch Linings

The Model 100 Friction Assessment and Screening Test (FAST) Machine provides a sensitive and reproducible characterization test for friction material specimens. Design simplicity makes the FAST Machine a viable friction and wear tester for brake lining and clutch facing test specimens.

The machine operates in either constant clamping force or constant friction force modes, using a constant rubbing speed. The constant friction force mode also provides a reproducible temperature-time history for the sample.

Several standard test procedures have been developed for this machine. These include tests for the quality assurance of drum brake segments, disc brake pads, truck brake blocks, and clutch facings. Other tests include friction versus load, cyclic loading, static friction, residual drag, and squeal threshold tests.



The FAST Machine represents a standard that is recognized throughout the industry for evaluating the frictional properties of brake and clutch linings. By closely controlling the test environment, this machine may be depended upon to provide consistent and reproducible results.

### Options

- Dynamic Wear Measurement
- Variable Speed Drive (Adjustable to 1,000 rpm)
- Temperature Measurement via Infrared Pyrometer or Slip Ring
- Friction vs. Velocity Assembly
- 1.5 HP motor for heavy load test

Typical Specifications	
Pump Pressure (Sustained)	11 Bar (160 psi)
Maximum Pump Pressure	11 Bar (160 psi)
Clamping Pressure Limit	700 N (157 lbs)
Maximum Friction Force	7 N (22 lbs)
Normal Rubbing Speed	7 m/s (23 ft/s)
Motor	1.0 HP

For more information on the Model 100 FAST Machine and how it can be configured to meet your test requirements, contact LINK at 734-453-0800 or sales@linkeng.com

**Disclaimer:**

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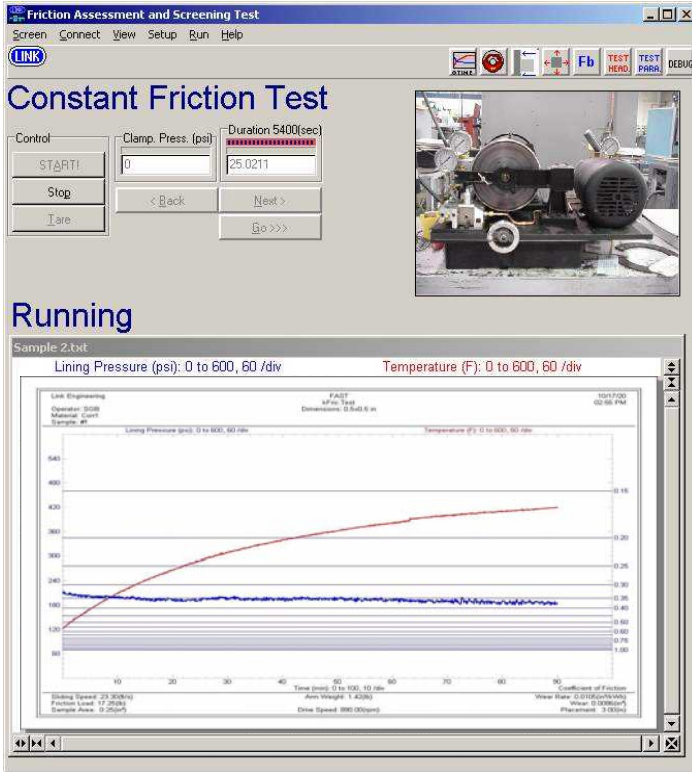
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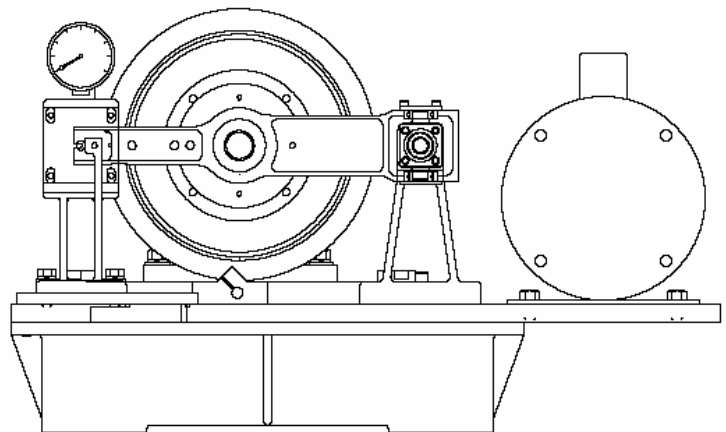
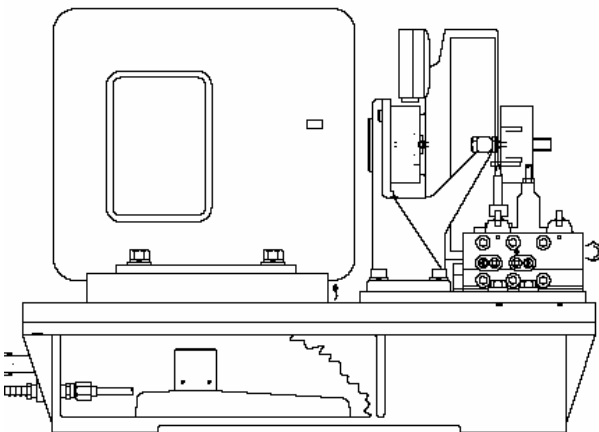
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The ProLink software package running under Microsoft® Windows greatly enhances operator interface, providing test data quickly, and automatic friction data recording. Test results may be produced as a digital or graphic presentation and stored on hard drive.

The FAST Machine controls the clamping load or the friction force on a sample of material while rubbing against a cast iron disc rotating at constant speed. Heat generated during testing raises the materials temperature thereby enabling the frictional properties to be evaluated at various thermal conditions. Friction and wear properties from sample to sample may be directly compared, making the machine ideal for quality control as well as product development applications.



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