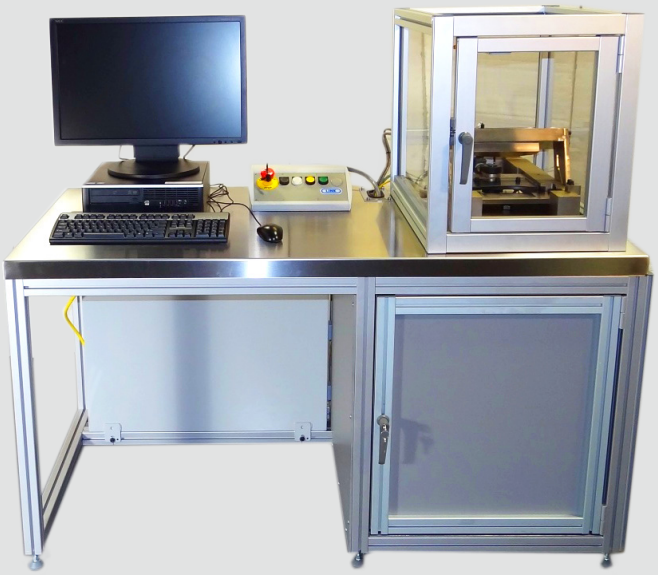
Model 3664

Shear Test Machine



Product Overview

The Model 3664 Shear Test Machine to provide the means to evaluate the bond strength of friction material pad assemblies for passenger car, medium truck, and commercial vehicle disc brake pads.

This machine is designed to perform the SAE J840 Test Procedure. The machine consists of a two-axis loading frame with a high precision system for measuring displacement and load in the shear axis of a brake pad assembly as it is loaded along that axis. This is achieved using an air over oil hydraulic cylinder with an integrated magnetostrictive displacement transducer and an in-line pancake load cell.

A normal load is applied such that friction force is minimized and does not significantly affect shear load.

Fixtures are utilized to match radius at lining contact. ProLINK software provides machine control and provides presentation of results, mean shear strength and range.

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Model 3664

Key Features

- Custom Fixture Set
- Test Enclosure
- Workstation
- Data Acquisition and Control Hardware
- ProLINK Software System
- Noise Assessment

Options

- Custom Fixture Sets
- Harsh Environment Control PC

SPECIFICATIONS	
Maximum Shear Load (closed-loop)	150,000 N (33,700 lb)
Shear Load Apply Rate	0.1 kN/s to 30 kN/s
Maximum Normal Load (open-loop)	11,900 N (2,675 lb)
Maximum Friction Material Pad Size	Commercial Vehicle

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