Product name:	Product code:
Brake Lining Friction Assessment Test Machine	CMI-IND-0403

Description

Chase-type friction machine that measures friction coefficient and wear of brake linings and clutch facings against a rotating drum under controlled temperature. Used by friction material makers and brake pad QC labs.

Technical specification

- Specimen holder
- Thermocouple set
- Calibration weights

Brake lining specimens are pressed against a heated rotating drum while torque and temperature are logged to compute normal and hot friction coefficients. The software plots friction against temperature through the heat-up, fade and recovery sequence and calculates wear by thickness and weight loss.

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Features

- Cast iron drum with embedded thermocouple for temperature control
- Dead-weight or pneumatic specimen loading at 0.69 MPa
- Torque arm with load cell for friction coefficient
- Programmable fade and recovery test sequence
- PC software with friction versus temperature graph

Technical Specifications

Drum diameter	280 mm
Drum speed	411 rpm
Specimen size	25 x 25 mm
Test pressure	0.69 MPa nominal
Drum temperature	Ambient to 350 deg C
Torque accuracy	+/- 0.5 percent
Standards	IS 2742, SAE J661, ISO 6312
Power	415 V, 3 phase, 50 Hz, 5 kW

Standard Accessories