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Product name:	Product code:
Four Ball Lubricant Wear and Extreme Pressure Tester	CMI-IND-0404

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Description

Four ball tester that rotates a steel ball against three fixed balls in oil to measure wear scar and extreme pressure load. Used by lubricant blenders and engine oil and grease QC labs.

Technical specification

- Ball cup and lock nut set
- Steel balls pack of 100
- Weight set

Engine oil, gear oil or grease is placed in the cup holding three balls while a fourth rotates under load at fixed speed. Scar diameters indicate anti-wear quality and weld load, helping blenders qualify additive packages for automotive and industrial service.

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Features

- Heated test cup with PID temperature control
- Lever loading with dead weights up to 800 kgf
- Precision spindle at 1200 or 1800 rpm
- Friction torque measurement with load cell
- Automatic timer with shut off

Technical Specifications

Spindle speed	1200 +/- 60 and 1760 +/- 40 rpm
Load range	Up to 800 kgf
Test temperature	Ambient to 100 deg C
Ball size	12.7 mm, grade 25 steel
Timer	0 to 99 min
Friction torque	Digital, 0.1 N-m resolution
Standards	ASTM D4172, ASTM D2783, IP 239
Power	230 V AC, 50 Hz, 1.5 kW

Standard Accessories