Product name:	Product code:
Ceramic Four Point Flexural Strength Testing Machine	CMI-IND-0452

Description

Twin-column frame with an articulated four point bend fixture that tests porcelain and technical ceramic bars for flexural strength with silicon nitride rollers. Used by advanced ceramic manufacturers and research laboratories.

Technical specification

- Four point fixture
- Alignment bars
- Software

Rectangular bars are loaded with two upper and lower rollers for uniform bending moment. Flexural strength and modulus are calculated from load and bar dimensions.

Features

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- Automatic load application and data acquisition
- Fine load control at 0.5 mm/min
- 20 kN precision load cell
- Dual column floor frame
- Optional furnace for high temperature

Technical Specifications

Capacity	20 kN
Speed	0.01 to 50 mm/min
Load accuracy	+/- 0.5 percent
Fixture	4 point, 40/20 mm span
Specimen	3 x 4 x 45 mm bar
Display	Digital controller with PC
Standards	ASTM C1161, ISO 14704, EN 843-1
Power	230 V AC, 50 Hz

Standard Accessories