Product name:	Product code:
Flexural Strength Machine for Mortar Prisms 10 kN	CMI-IND-0034

Description

Electromechanical bending machine with three-point roller fixture that breaks 40 x 40 x 160 mm mortar prisms at a constant load rate to give flexural strength. Used in cement plant and building material labs.

Technical specification

- Three-point bending jig
- Digital load indicator
- Prism centring guide

A mortar prism rests on two steel rollers 100 mm apart and is loaded at its centre at 50 N per second until it fractures. The result pairs with compressive strength on the broken halves for cement grade assessment. A digital load cell removes the lever and shot-feed variations of older machines.

NAUGRA®
Civil Laboratory Equipment Manufacturers and Suppliers India Civil Lab Exportrs India
Email us at: export@civilmechanicalindia.com

Features

- Load rate fixed at 50 +/- 10 N/s
- Digital load cell 10 kN with peak hold
- Rollers 10 mm dia, adjustable span
- Automatic return after fracture
- Prism halves ready for compression test

Technical Specifications

Capacity	10 kN
Resolution	1 N
Roller span	100 mm
Roller diameter	10 mm
Loading rate	50 +/- 10 N/s
Prism size	40 x 40 x 160 mm
Standards	EN 196-1, ISO 679, IS 4031 Part 6 (companion)
Power supply	230 V AC, 50 Hz

Standard Accessories