| Product name: | Product code: |
| --- | --- |
| Compression Testing Machine for Rock Cores 2000 kN | CMI-IND-0011 |

## Description

Servo-controlled hydraulic compression machine with spherical seat for determining the uniaxial compressive strength of rock cores. Used in mining, tunnelling, dam foundation and rock mechanics investigations.

## Technical specification

- Rock core platens
- Safety shield
- Digital load indicator

The frame applies steady axial load to prepared rock core cylinders and records peak load for uniaxial compressive strength. A stiff four-column frame and spherical seating allow accurate failure measurement of hard rock. Load rate control keeps results consistent with standard stress rates.

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**Features**

- Four-column rigid frame with safety shield
- Pacing indicator for constant stress rate
- Peak hold digital load display
- Spherical seat top platen with hardened plates
- Suitable for NX, BX and HX core sizes

**Technical Specifications**

| | |
|---|---|
| Capacity | 2000 kN |
| Load resolution | 0.1 kN |
| Accuracy | Class 1 (+/- 1 percent) |
| Platen size | 200 mm dia, hardened |
| Daylight opening | Up to 350 mm |
| Standards | ASTM D7012, IS 9143, ISRM suggested methods |
| Power supply | 415 V, 3 phase, 50 Hz, 1.5 kW |

**Standard Accessories**